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CANADA
1917

MCDONALD'S SEED ANNUAL

1917

ASTER
CRIMSON KING
PKT. 15¢ 2 PKTS 25¢

Kenneth McDonald & Sons
LIMITED
Ottawa, Canada.



These Special Offers Prove our Faith in McDonald's Seeds

Because we know our seeds are all that we claim them to be, we desire you to convince yourself that they are the ones you should use. Therefore, we have made up three collections each containing full size packets, which are offered at special introductory prices. Choose the collection you like best and order immediately. We cannot change the assortments in these collections as the seeds are ready for mailing now.

One Dollar Buys this Wide Selection for the Home Garden

(Usual Price is \$1.75)

Postage paid anywhere in Canada

Here is what you get:

- | | |
|---|---|
| 1/2 lb. Beans.—Newcomb Kidney Wax. | 1 pkg. Onion.—Large Red Wethersfield. |
| 1 oz. Beet.—Improved Deep Blood Turnip. | 1 pkg. Parsley.—Champion Moss Curled. |
| 1 oz. Carrot.—Chantenay. | 1 pkg. Parsnip.—Improved Hollow Crown. |
| 1/2 lb. Corn.—Golden Bantam. | 1 pkg. Pumpkin.—Winter Luxury. |
| 1 pkg. Cucumber.—Arlington White Spine. | 1 pkg. Radish.—Scarlet Turnip, White Tipped. |
| 1 pkg. Lettuce.—Grand Rapids. | 1 pkg. Squash.—Green Hubbard. |
| 1 pkg. Lettuce.—Improved Hanson. | 1 pkg. Tomato.—Chalk's Early Jewel. |
| 1 pkg. Musk Melon.—Miller's Cream. | 1 pkg. Cabbage.—McDonald's Everbest Summer. |
| 1 pkg. Water Melon.—Cole's Early. | 1 pkg. Cabbage.—Danish Round Head for Winter. |
| | 1 pkg. Turnip.—Purple Top Swede for Winter. |

Also one packet each of the following Flower Seeds:

Aster, Fine Mixed; Poppy, Shirley Mixed; Morning Glory, Tall Mixed; Nasturtium, Dwarf Mixed; Sweet Peas, Rainbow Mixed.

*Our Leaflets: "The Vegetable Garden" and "Annuals from Seed"
free with each order*

Fifty Cents An Ideal Garden Selection

Admirably Suited for the
Small Garden. Postpaid.

- 1 oz. Beet.—Extra Early Egyptian.
- 1 pkt. Cabbage.—Early Winningstadt.
- 1 pkt. Carrot.—Chantenay.
- 1 pkt. Cucumber.—Arlington White Spine.
- 1 pkt. Lettuce.—Big Boston.
- 1 pkt. Lettuce.—Grand Rapids.
- 1 pkt. Onion.—Red Wethersfield.
- 1 pkt. Parsley.—Champion Moss Curled.
- 1 pkt. Parsnip.—Improved Hollow Crown.
- 1 oz. Radish.—Scarlet Turnip, White Tipped.
- 1 pkt. Spinach.—Victoria.
- 1 pkt. Turnip.—Golden Ball.

Twenty-five Cents Is the Price of our Gem Collection

Contains full sized Packets of
Eight Popular Flowers

- 1 pkt. Sweet Alyssum.—White.
- 1 pkt. Mignonette.—Sweet Scented.
- 1 pkt. Morning Glory.—Tall Mixed.
- 1 pkt. Nasturtium.—Dwarf Mixed.
- 1 pkt. Wild Flower Garden.—Mixed.
- 1 pkt. Phlox.—Drummond's Mixed.
- 1 pkt. Poppy.—McDonald's Superb Shirley.
- 1 pkt. Sweet Peas.—McDonald's Rainbow Mixture.

Customers are Requested to Use this Order Sheet



For Full Instructions about Ordering see First Page of Catalog.

KENNETH McDONALD & SONS

Gentlemen,—Please send the following seeds, etc. per Mail
Express
Freight

Please Write Plainly

P.O. Box, Street Address }
or Rural Route No. }

Post Office _____

Railroad _____ Province _____

Express or Freight Office.....

County _____

Always add 30c. each for Cotton Bags for shipment of heavy Seeds, such as: Timothy, Seed Grain, Seed Corn, Etc.

AMOUNT ENCLOSED		DO NOT WRITE IN THIS SPACE	
	Dollars	Cts.	
Cash			Order No.
P. O. Order			Date Rec'd
Express "			Filled By
Bank Draft			Checked By
Stamps			Packed By
Total			No. Pieces
			Forw'd By
			Date Shipped

[illegible]

Amount carried forward

NOTE.—If special quotations are desired on any items, or enquiries to be made, kindly write them on a separate sheet.



This Catalog Brings Us Together

If it could be arranged, we would like to meet each grower who receives this catalog, but while many call to see us when in Ottawa, we realize the impossibility of our becoming personally acquainted with each one of you. So we depend upon this Annual to bring us together, and we endeavor to give it a personality; we try to make it breathe the spirit of our firm; we aim to convince you through it of our sincere desire to please you, of our wish to sell you reliable seeds and to treat you by mail exactly as we would were you to call on us. Please accept the statements and illustrations in it as coming from a firm established forty years and having an excellent reputation, which it is our hope to retain indefinitely.

Seeds Delivered Free By Mail

All Vegetable and Flower Seeds in this catalog are delivered by mail, free, anywhere in Canada, when shipped in packets of one ounce, quarter pound or pound, unless otherwise noted. On Beans, Peas and Corn we quote postpaid prices and also give prices at which larger quantities are shipped by express or freight at customer's expense. When you do not send full postpaid price we fill order to amount of remittance.

You Gain By Ordering Early

There is no reason why you should not have your seeds on hand for planting as soon as the ground is ready. We have sent you this Catalog early that you might make your selections and have them sent to you before March 31st, after which we are in the full tide of our Spring rush, when it is more difficult to give that prompt and entirely personal attention to every order that is the aim of this house. To encourage early ordering we will enclose, without extra charge, in each shipment we make before April 1st extra packets of choice new varieties in proportion to the size of your order. Help us to help you by making up your list and mailing it to us to-day.

USE THE ORDER FORM IN THE BACK OF CATALOG.—When ordering please use order form in the back of this Catalog, as such orders go direct to the order department without recopying. Write distinctly, giving name and full address. Sometimes orders lack name or post office address and cannot be filled until they are identified. Additional order forms will be sent you on request.

REGARDING ERRORS.—Years of experience in the conduct of a successful mail order seed business have taught us the best system of handling the rush of Spring business with the minimum of errors. We take the utmost care in filling orders, and seldom make mistakes; but when an error occurs we wish to be notified of the fact immediately, when we will make a satisfactory correction. Kindly keep copies of all your orders for comparison.

HOW TO SEND MONEY.—Remittances may be sent at our risk: Post Office Money Order, Postal Notes, Bank Draft or Express Money Order or by Registered letter. In case of personal cheques exchange should be added if not accepted and made payable at par, Ottawa.

C. O. D.—We do not send goods Collect on Delivery, as the cost of collection charges is quite an unnecessary item of expense; and as prices are given in catalog, there is no reason why goods should be so ordered.

EXPRESS AND FREIGHT.—In ordering be sure to state whether shipment is to be made by express or freight, as we use our own discretion in the absence of instructions, securing the lowest rate possible. We do not prepay delivery charges unless quotation says definitely that we do.

FLAG OR PREPAY STATIONS.—When shipments are to be made to stations having no agent, prepayment of charges is always necessary. We, therefore, ask all who are situated at these points, to add sufficient to amount of remittance to cover cost of carriage.

ABOUT WARRANTY.—We have the vitality of all seeds tested before sending them out, and only those of strong germination are sold. Most failures of seed are due to causes beyond our control, such as unfavorable weather and soil conditions; sowing too deep or too shallow; insects of different descriptions destroying the plants as soon as or before they appear; all of which render it impossible for us to guarantee success. While we exercise the greatest care to have all seeds pure and reliable, in common with other seedsmen, we give no warranty, expressed or implied, and will not be responsible in any way for the crop. If the purchaser does not accept the seeds on these terms and conditions, they must be returned at once.

Kenneth McDonald & Sons Limited

OTTAWA

1917 Novelties and Specialties

VEGETABLES

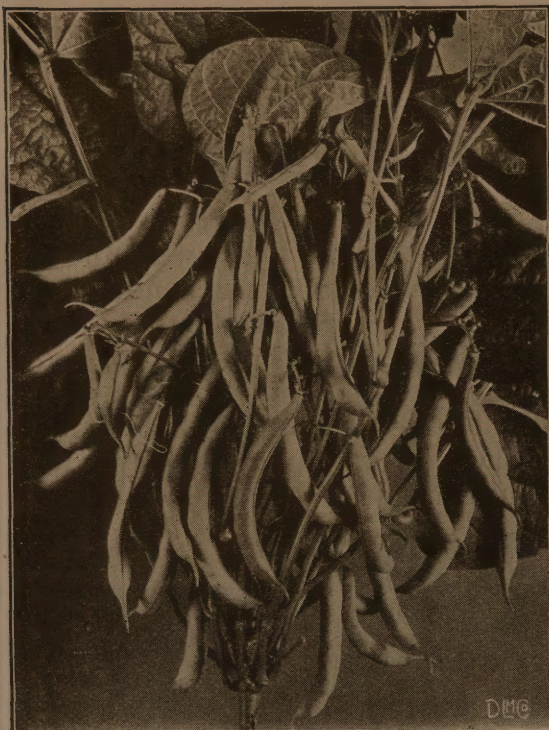
In presenting for your consideration each year several novelties from the most reliable growers, we do so in the knowledge that they possess more than ordinary merit. We have successfully subjected them to severe tests, until they are no longer experiments, but varieties that can be stamped with the McDonald trade mark, as a guarantee of their excellence.

Beans

"NEWCOMB KIDNEY WAX."—A new bean of sterling worth and one which after thorough trial, we unhesitatingly recommend. The golden colored pods are of flattened form, but remarkably plump and meaty; from six to seven inches in length, entirely stringless and of superior quality. The plant is of strong vigorous growth, free from blight and a prolific bearer. **Pkt. 10c; lb. 40c; lb. postpaid, 50c.**

"KENTUCKY WONDER WAX" (Pole or Tall Growing).—For city gardens where the area is small this will be found a useful sort. It possesses the desirable qualities of the Kentucky Wonder Green Pod. Pods are of a beautiful transparent yellow and of most delicious flavour. A heavy yielder, the pods hanging in large clusters. **Pkt. 10c; lb. 35c; lb. postpaid, 45c.**

"WEBBER WAX."—A new Wax Bean resembling Wardwell's Kidney Wax, but pods are rounder, more meaty, and of unsurpassed tenderness and delicious quality. Vine is strong, holding pods well up from the ground. Pods are of a handsome bright yellow color, more attractive than most of the very best wax sorts. Seed is yellow. **Pkt. 10c; lb. 40c.; lb. postpaid, 50c.**



Webber Wax Bean

McDonald's Everbest Summer Cabbage

The Best of All Second Early Varieties.

"Everbest," is an entirely new strain of summer cabbage closely resembling Copenhagen Market, but larger in size and from ten to twelve days later. The heads are of handsome rounded form; the outside leaves are small, saucer-shaped and tightly overlapping, which permits of closest planting. It is a short stemmed variety, the heads being produced near to the ground. When cut, the inside portion is extremely white and of finest texture and quality. We recommend this very highly as a general purpose Cabbage, because while quite early, when planted for late crop it possesses excellent keeping qualities, making it highly desirable for winter use. **Pkt. 10c; oz. 30c; 1-4 lb. \$1.00.**

Celery or Chinese Cabbage

Called Pe-Tsai or Cut Cabbage by the Chinese gardeners. While belonging to the Cabbage family it looks more like Cos Lettuce when grown to full size. The large solid ribs of the leaves are perfectly white and deliciously crisp and tender. Makes a very desirable plant for salad. It is also quite good when cooked. The seed should not be sown before July 15th—in rows from two to three feet apart, thinning the plants to stand about fifteen inches apart in the row. If sown too early will run to seed. **Pkt. 10c; ½ oz. 25c; oz. 40c.**

COULD NOT BE BETTER

"Your Vegetable Seeds have been most satisfactory. Could not wish for better."—MRS. J. MCWILHAN, Sturgeon Falls, Ont.

A PASTOR'S EXPERIENCE.

"While I have had many years experience in growing garden crops, I am pleased to say that the seed I have been buying from you has proved to be the very best I have ever planted."

—PASTOR JOHANNES ALBERTI, Rankin, Ont.



McDonald's Everbest Summer Cabbage

Seeds That Grow Good Crops



Early Mayflower Sweet Corn

"A Boon to Early Market Trade"

The originator of this variety claims it to be fully a week earlier than White Cob Cory, and more attractive in every way, a better ear and of finer quality, and particularly valuable for Market Gardeners' extra early trade. When a sweet corn is earlier than White Cory, and in spite of this, more desirable in size and quality, it is all that a Market Gardener can desire in an early market corn. It is likewise admirably suited to the home garden. Pkt. 10c; lb. 30c; lb. postpaid, 40c.

Vaughan's Bantam Evergreen Sweet Corn

The Best of all Sweet Corn.

Vaughan's Bantam Evergreen (Golden Bantam X Stowell's Evergreen) is the first successful Bantam cross. The Bantam sweetness is retained and the size is satisfactory, being almost as large as Evergreen. A hull thinner than Bantam, increases the eating quality very much. In season it comes in mid-summer about the time of Crosby's Early. A most important point in favor of Bantam Evergreen is, that it holds its quality longer after being picked than any other variety so far compared with it. The grower claims for Vaughan's Bantam Evergreen an improvement on the Golden Bantam in every respect. It runs about 85% true to type. Pkt. 10c; lb. 30c; lb. postpaid, 40c.

Sweet Corn—"Pocahontas"

The Market Gardener's Favorite

An ideal sort for those who desire a large-sized, quick maturing corn. It is within a week or two as early as Red or White Cory, while the ears are fully a third larger. The kernels are large and broad, pure white, sweet and deliciously tender. We recommend Pocahontas as a real money-maker for the Market Gardener; also one of the most desirable sorts for private use. Lb. 30c; postpaid, 40c.

Lettuce

McDONALD'S "SALAD ICE" LETTUCE.—A Salad Lettuce that is most crisp. We consider this the finest and most highly selected Cos in cultivation. Of largest size, self-folding, beautiful form, very crisp and free from any trace of bitterness. It readily matures in abundant sunshine and stands a long time before running to seed. Pkt. 10c; oz. 35c.



McDonald's "Salad Ice" Lettuce

Peas

"LITTLE MARVEL."—The Choice Early Wrinkled Variety. This is now the choice of all extra early wrinkled peas for first crop, maturing its many dark green twin pods ahead of American Wonder and Nott's Excelsior. It is of dwarf growth, plants fifteen inches and of very prolific character. Pkt. 10c; lb. 30c; lb. post paid, 40c.

OUR SEEDS MADE GOOD

"Although not a favorable season, I am pleased to say that the seeds received from you gave entire satisfaction."—J. F. HIGGINSON, Buckingham, Que.



Bantam Evergreen Corn

Prizetaker Red Globe Onion

A Desirable Onion in every respect. Years of painstaking selection by an expert Connecticut grower are behind this desirable onion. Bulbs are of a beautiful globe shape, with little or no neck, and purple-red in color. They are heavy, solid, fine-grained, and grow to a large size. Its keeping qualities are unsurpassed. For largest and finest bulbs, seeds should be planted in early spring, under glass, and transplanted when ready to permanent soil. Pkt. 10c; oz. 25c; 2 ozs. 45c; 1-4 lb. 80c; lb. \$3.00.

WORD FROM PORT ARTHUR

"I am absolutely satisfied with results obtained from your seeds."—REG. COX, Port Arthur, Ont.

1917 Novelties and Specialties



Aster—Hercules

Eschscholtzia

837. FIRE FLAME.—The most vividly brilliant Eschscholtzia yet introduced, being a rare combination of lemon-yellow and rosy-crimson, not in stripes, but in a perfect blend which has aptly suggested the name "Fire Flame." The plants are compact and upright, producing their flowers in the utmost profusion. **Pkt. 10c.**

Gypsophila

947. PANICULATA, Fl. Pl.—This is the new double flowered form of the perennial Baby's Breath. The flowers are borne in elegant panicles and are splendid for cutting as they last a long time in water. A good percentage comes true from seed. **Pkt. 15c.**



Heliotrope—Regale

Alyssum

77. LILAC QUEEN.—A new annual Alyssum with pure lilac colored flowers. It is of dwarf, compact habit and is as valuable an edging plant as the white varieties. **Pkt. 15c.**

Aster

210. GIANT COMET "GOLIATH" MIXED.—A choice new selection of the favorite Giant Comet type. Seed saved from the choicest large-flowered sorts. Our growers say it is "the largest and finest exhibition variety in existence." All colors mixed. **Pkt. 15c; 2 pkts. 25c.**

245.—CRIMSON KING.—A new type of Aster with flowers of large size and good substance. Habit and season are similar to the branching asters. Plants are of vigorous growth and bear numerous, full double flowers of a rich, brilliant crimson. Illustrated on front cover. **Pkt. 15c; 2 pkts. 25c.**

297.—HERCULES.—New giant flowered Aster, Ostrich Plume type, a brilliant rose. Strong grower; fine exhibition variety. **Pkt. 15c.**

The Cardinal Climber

560.—It is a strong and rapid grower, with beautiful, deeply lacinated foliage and literally covered with a blaze of circular, fiery cardinal-red flowers from mid July till frost. The flowers are about 1½ inches in diameter and are borne in clusters of 5 to 7 blooms each. Most beautiful climbing annual introduced in recent years. **Pkt. 25c.**



Aster—Giant Comet "Goliath"

FINEST LOT OF ASTERS

"Your flower seeds have given me great satisfaction. I believe I had the finest lot of Asters in this neighbourhood." A. J. HASKINS, North Bay, Ont.

Heliotrope

956. REGALE.—An improved and magnificent variety of dwarf giant-flowered Heliotrope. The plants are of bushy, compact form, and the large masses of bloom of surpassing beauty and fragrance. Without doubt the largest and finest of all Heliotropes. **Pkt. 15c.**

Pansy

1435. McDONALD'S ROYAL EXHIBITION MIXTURE.—This superb strain is the result of many years of rigid selection and is composed of giant flowers, finely curled and fimbriated. It is our finest mixture as to size, texture and colorings, being saved from one of the best British prize collections and direct from prize plants. **Pkt. 25c.**

EXCELLENT QUALITY.

"Your seeds have proved to be of excellent quality."—ERWIN CHRISTINK, Pembroke, Ont.

Nemesia—Strumosa Suttoni

1315.—This is a new selection of Nemesia Suttoni, and is one of the most beautiful annuals ever introduced, having been greatly improved in size and color. The colors range from glowing vermillion and orange scarlet to the most brilliant shades of rose-purple, the great variety being one of the interesting features of the plant. Height 15 inches. Seed may be started indoors in March or April for spring blooming, or if sown in the open ground after danger of frost is past, they will bloom quickly and profusely all summer. Makes good pot plant for indoors. **Pkt. 20c.**

New Red Sunflower

1845.—A most striking and brilliant novelty. It is a true Sunflower but bears numerous well-shaped, dark-centred, brilliant flowers, banded with bright chestnut-red mostly merging to yellow at the tips of the petals. When cut with long stems, the flowers make a unique and magnificent decoration in large vases and show to great advantage under artificial light. They are as easily grown as any other annual Sunflower and bloom in about 8 weeks from seed. Give them a sunny position and plant them not less than 3 feet apart, as they are of free branching habit and bloom profusely. **Pkt. 15c.**

Sweet Pea

2147. LADY EVELINE.—A new, rosy mauve, Sweet Pea, ideal for all purposes. It is bound to be the mauve of the show bench. Its great size and lovely color are enhanced by the perfect placing of the flowers, which are duplex in character. For garden decoration the rows or clumps are covered with huge blooms, and four-bloomed sprays are common. (See illustration in Sweet Pea Section). **Small pkt. 20c.**



New
Red
Sun-
flower

Schizanthus—Wisetonensis Excelsior

1775. This dainty fern leaved annual is one of the most valuable plants both for outdoor growing and pot culture. They are of dwarf compact habit and begin to bloom about two months from sowing. For free-flowering qualities they are unsurpassed, each plant being a solid pyramid of bloom and continuing in flower for several months. The colors include all shades of buff, white, pink, rose, yellow, with beautiful markings which render them exquisitely beautiful. They are easily raised from seed and make elegant pot plants for window culture. This new strain is a marked improvement, the individual blooms frequently measuring $1\frac{1}{2}$ to $1\frac{3}{4}$ inches across. **Pkt. 25c.**



Nemesia—Strumosa Suttoni

Sweet Pea

2117. MARGARET ATLEE.—One of the most beautiful varieties yet produced; flowers very large, exquisitely waved, of a glowing shade of pink on a cream ground, suffused with salmon. Leading experts are unanimous in declaring this to be the finest rich pink Sweet Pea. **Pkt. 15c.**

2167. YARAWA.—This new variety from Australia has lived up to its glowing recommendations. The color is a bright rose-pink with a creamy base, the wings being slightly lighter in tone. The flowers are exquisitely waved, and usually fours on extra long, stout stems. **Small pkt. 20c.**

2077. FIERY CROSS.—This is a marked novelty and has been greatly admired by those who have grown it. The flowers are of good size and beautifully waved, but its chief merit is its color, which is a brilliant fiery-scarlet, of which its name is truly descriptive. **Small pkt. 20c.**

A SPECIALIST'S EXPERIENCE.

"For years I have made a specialty of Asters and Sweet Peas. I never had better plants or more beautiful flowers than those produced from your seeds."—MRS. J. H. RYAN, Hemmingford, Que.



Schizanthus—Wisetonensis Excelsior.



McDonald's Vegetable Plants and Roots are Heavy Producers

WHILE seed usually can be forwarded promptly on receipt of order, this cannot always apply to plants, owing to the fact that they require growth to give them sufficient strength and vitality to endure the change brought about through the necessity of handling and transplanting.

It must be understood also that plants are perishable, and cannot be forwarded by mail. They are always sent by express at purchaser's risk and expense. We guarantee to deliver a nice quality of choice stock in good condition, to transportation company. We cannot assume responsibility for safe arrival, owing to delays which sometimes occur while in the possession of the express companies.

We make it a rule to notify purchasers when shipping so as to avoid any chance of damage through delay in accepting delivery. No charge is made for packages or packing.

ARTICHOKE ROOTS.—Excellent for table use, or for Cattle and Hog Feeding. Bushel, \$1.75; Peck, 50c; Gal., 35c; or by mail postpaid, lb. 20c; 3 lbs. 50c.

ASPARAGUS ROOTS.—Strong 2-year old roots which usually produce two years after planting, in following varieties: Columbian Mammoth White, Giant Argenteuil, Conovers Colossal, Palmetto. By express or freight only. Delivery April and May. 25 for 35c; 50 for 60c; 100 for \$1.00; \$9.00 per 1,000.

CABBAGE PLANTS.—Grown from our own high grade seed. We can supply in following varieties: Early Jersey Wakefield, Copenhagen Market, Early Summer, Glory of Enkhuizen, Succession, Late Flat Dutch, Mammoth Rock Red, Perfection Drumhead Savoy. Per 25, 30c; Per 50, 50c.; Per 100, 75c; Per 1,000, \$6.00. Shipped at purchaser's expense. Delivery May, June and July.

BRUSSELS SPROUTS.—Ready June and July. Best sorts. Per 25, 35c; Per 50, 60c; Per 100, \$1.00; by express at purchaser's expense.

CAULIFLOWER PLANTS.—Ready June and July. Danish Dry Weather, Erfurt, and Snowball. Per 25, 35c; Per 50, 60c; Per 100, \$1.00; Per 1,000, \$9.00; by express at purchaser's expense.

CHIVES.—Strong clumps. Each 15c; Doz., \$1.25; Per 100, \$8.00; by express at purchaser's expense.

CELERY PLANTS.—June and July delivery. Paris Golden Yellow, Giant Pascal, Boston Market. Doz., 20c; Per 25, 35c; Per 50, 60c; Per 100, \$1.00; Per 1,000, \$7.50; shipped at purchaser's expense.

CUCUMBER.—Pot grown. Good varieties. Per pot, 10c; Doz., \$1.00.

EGG PLANT.—New York Improved. Pot grown. Per doz., 60c.

HORSE RADISH ROOTS.—Small roots, postpaid per doz., 40c.

LETTUCE PLANTS.—Heading varieties at all seasons. Doz., 20c; Per 50, 50c; Per 100, 75c. —

ONION SETS, POTATO ONIONS, TOP ONIONS.—See page 29.

GARLIC.—See page 26.

EGYPTIAN OR PERENNIAL TREE ONIONS.—Ready in September and October. Quart, 15c; Gallon, 50c; shipped at purchaser's expense.

PEPPER PLANTS.—Large fruited varieties. Doz., 25c; Per 100, \$2.00.

RHUBARB ROOTS.—Large strong roots. Each, 15c; Doz., \$1.50; shipped at purchaser's expense.

TOMATO PLANTS.—(Transplanted) Strong plants, following varieties: Dwarf Champion, Early Jewel, Ponderosa, Dwarf Stone. Doz., 25c; Per 100, \$1.75.

Information on the Following Lines will be Found on Pages Listed Hereunder

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VEGETABLES



WITH food prices soaring steadily, vegetables are becoming increasingly important for the table, and an ever higher standard of quality is expected from the grower by the consumer. For this reason McDonald's tested seeds are in greater demand than ever. Critical growers who use them are never disappointed in their hopes of an abundant crop of the highest grade, providing soil conditions are correct and due care is given to planting and cultivation.

See page 1 for particulars regarding free delivery of seeds by mail. When these seeds are ordered by express or freight, deduct 10c. per pound.

Special Prices to Market Gardeners ordering in quantities.

Artichaut **Artichoke** *Artischoke*

One ounce will sow 100 feet of drill, and produce about 500 plants. Artichokes require planting but once, and little or no cultivation after the first year. They are enormously productive, valuable as a table vegetable, and a most excellent feed for hogs and cattle. Cut like potatoes and plant in rows three and one-half feet apart.

LARGE GREEN GLOBE.—The favorite French variety; buds large, scales green, very thick and fleshy. Pkt. 10c; oz. 75c; 1-4 lb. \$2.00.

JERUSALEM ARTICHOKE.—Price \$1.75 per bushel; shipped at purchaser's expense; or by mail, postpaid, 20c. per lb.; 3 lbs. 50c.

Asperge **Asparagus** *Spargel*

One ounce will sow 40 feet of row; 1 lb. to the acre.

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety, producing shoots which stay white as long as fit for use, without earthing up or any other artificial blanching. Pkt. 5c; oz. 10c; 1-4 lb. 30c; lb., \$1.00.

CONOVER'S COLOSSAL.—A well-known variety of large size, tender and of good quality. Pkt. 5c; oz. 10c; 1-4 lb. 25c; lb. 75c.

GIANT ARGENTEUIL.—This handsome variety is of French origin. The shoots are of unusually large size, thick and of superior tenderness and flavor. Pkt. 5c; oz. 15c; 1-4 lb. 30c; lb. \$1.00.

PALMETTO.—A most desirable sort of large size and dark green color. More regular and even in size than any other variety. Pkt. 5c; oz. 10c; 1-4 lb. 25c; lb. 75c.

ASPARAGUS ROOTS.—A saving of two or more years is saved by the planting of roots, which can be planted any time within six or eight weeks of the opening of spring. Price, strong two-year-old roots: 25 for 35c; 50 for 60c; \$1.00 per 100; \$9.00 per 1,000.



Asparagus

HOW TO ORDER YOUR VEGETABLES.

For your convenience an Order Form is placed in the back of this Catalogue. If you will be kind enough to make use of it in sending us your order, we will appreciate it. When you write your order on this form it goes direct to the Order Department without recopying in our office, and you are likely to get your seeds sooner.

Haricot Nain **Beans** Busch Bohnen

STAPLE AND PROFITABLE CROP

No vegetable has a right to be considered more staple than beans, and few yield a more consistent profit. Thought and care devoted to the cultivation of beans well repay the grower. We hope to have all varieties listed up to April 1st, but after that date it will be wise to name a second and a third choice in case we are short. If we are out of the variety you order we will substitute the nearest to it in stock. For mail orders we have adopted a large **10 cent package**, which is considerably better value than two 5c. packets as sold from commission boxes.

CULTURE.—One quart will plant 100 feet of drill; one bushel to the acre. Beans should not go into the ground until the weather has become fairly warm and settled, as they are sensitive and liable to frost. Select a warm, light soil; plant in drills 2 feet apart and from one to two inches in depth, dropping the beans about two inches apart, later thinning the plants to stand from 4 to 6 inches in the row. Sowings may be made for succession every two or three weeks until July 1st.

CURRIE'S RUST PROOF.—One of the best of all wax varieties and absolutely rust proof. The vine is hardy, vigorous and an abundant bearer. The pods are straight and flat, about five inches long, tender and of excellent flavor, light yellow in color. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

KEENEY'S RUSTLESS WAX.—This is an abundant cropper, the vines being fairly loaded with long, straight pods of a bright yellow color. Claimed by some growers to be the largest yielding of the wax sorts. Fine for market use. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

STRINGLESS REFUGEE WAX.—This variety is an improved strain of the famous Refugee Wax. The plants produce an abundance of long, round, wax-like pods, which are tender, stringless and of finest quality. **Pkt. 10c; lb. 40c; postpaid lb. 50c.**

IMPROVED GOLDEN WAX.—One of the earliest, hardiest and most productive of all wax beans; pods are broad, flat, golden yellow, meaty and well filled. No mistake can be made in planting this

variety for either market or family use. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

DAVIS WHITE WAX.—The plant is vigorous and highly productive, carrying its handsome, long pods in clusters well above the ground. It is very early, rust-proof and entirely stringless. The dry beans are kidney shaped, pure white and fine for cooking purposes. **Pkt. 10c; lb. 40c; postpaid lb. 50c.**

DETROIT WAX.—One of the most popular varieties. It is quite rust-proof, prolific, and the quality of the stringless golden yellow beans is excellent. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

GOLDEN WAX or BUTTER.—A well-known sort with an excellent reputation. The plants are of vigorous growth and produce an abundance of broad, flat pods, which are carried well above the soil. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

PENCIL POD BLACK WAX.—The pods are truly magnificent, being six to seven inches long, light golden yellow in color, beautifully rounded and deeply saddle backed. The flesh is brittle, solid and entirely stringless; the plants of true bush form, 15 inches high, hardy and very prolific. A prime favorite and admirably suited to the needs of the market gardener. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

ROUND POD KIDNEY WAX.—The pods are round, fleshy, of a beautiful waxy color, delightfully tender, brittle and entirely stringless during the entire growth. Round pod beans retain their freshness longer than the flat podded sorts. **Pkt. 10c; lb. 40c; postpaid lb. 50c.**

SCARLET FLAGEOLET WAX.—Extensively used by market gardeners in all parts of the country, a fact which speaks highly in its favor. The pods are very long, broad, flat and of rich golden yellow color. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

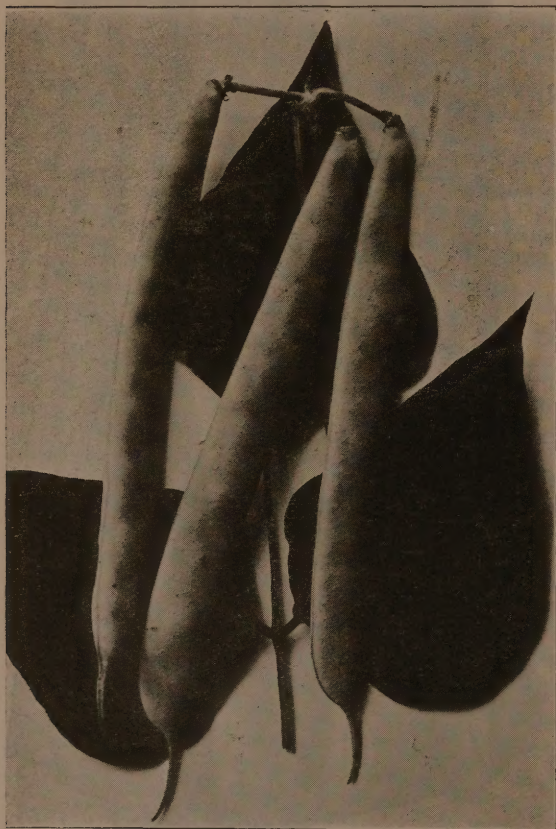
HODSON WAX.—While this sort is just a little later in maturing than most of the other varieties, it produces enormous crops of large, handsome, creamy-yellow pods. The remarkable vigor of the plant is a safeguard against blight and other bean diseases. Highly recommended as a main crop variety. **Pkt. 10c; lb. 35c; postpaid lb. 45c.**

CAPTAIN CUNNINGHAM WRITES:

"Garden Seeds purchased from your firm several years in succession have given satisfaction in this northern country. Yield was good and above the average."
—CAPT. JOHN CUNNINGHAM, Gaudette, Que.



Keeney's Rustless Wax



Improved Golden Wax



Green Pod Stringless

ENGLISH BROAD WINDSOR BEANS.—Of unusually large size and a yellowish brown color. Plant as early as ground will permit in rows from 2½ to 3 feet apart, in drills 2 inches deep, dropping seed from 4 to 5 inches apart in the row. Earth up when six inches high. When a sufficient blossom has developed to insure a crop, pinch off the tops of the plants. They prefer rich and somewhat moist land, but do well in any good ordinary soil. **Pkt. 10c; lb. 30c; postpaid, lb. 40c.**

Dwarf Bush Limas

BURPEE'S IMPROVED BUSH LIMA.—Comes absolutely true from seed. The bushes grow from 18 to 20 inches high, of stout growth, and always erect, yet branching so vigorously that each develops into a magnificent circular bush from 2 to 3 feet in diameter. It is an immense yielder, the handsome, large pods being filled with large beans, identical in size and luscious flavor with the Pole Limas. **Pkt. 10c; lb. 35c; postpaid, lb. 45c.**

HENDERSON'S BUSH LIMA.—Earliest of all Limas, wonderfully productive; and although beans are not so large as Burpee's they make up in quantity what they lack in size. Of true bush form and from 18 to 20 inches in height. **Pkt. 10c; lb. 25c; postpaid, lb. 35c**

Pole Varieties

CULTURE.—Poles 8 or 10 feet in length should be firmly set in the centre of the hills before putting in the seed; plant from 4 to 6 beans about 2 inches deep around each pole. Thin out to 3 plants to a pole; pinch off the ends of plants when they overrun the top of the poles, to effect more perfect growth below.

DUTCH CASE KNIFE.—An early green-podded variety with long, flat, irregular pods, which become creamy white as they mature. The seed is broad, flat and clear white, and makes excellent shelled beans. **Pkt. 10c; lb. 25c; postpaid, lb. 35c.**

GOLDEN CLUSTER WAX.—A magnificent variety, bearing continually the entire season. It is most vigorous in growth, producing its rich golden yellow clusters in great abundance. The pods are from six to eight inches long, exceedingly tender, entirely stringless and of delicious flavor. **Pkt. 10c.; lb. 35c; postpaid, lb. 45c.**

KENTUCKY WONDER.—Very early and enormously productive, the long green pods hanging in clusters from top to bottom of pole. Pods of a silvery green color, and entirely stringless. We regard this variety as most desirable, and the best and earliest of all green podded climbing beans. **Pkt. 10c; lb. 30c; postpaid, lb. 40c.**

"KENTUCKY WONDER WAX" (Pole or Tall Growing).—For city gardens where the area is small this will be found a useful sort. It possesses the desirable qualities of the Kentucky Wonder Green Pod. Pods are of a beautiful transparent yellow and of most delicious flavor. A heavy yielder, the pods hanging in large clusters. **Pkt. 10c; lb. 35c; postpaid, lb. 45c.**

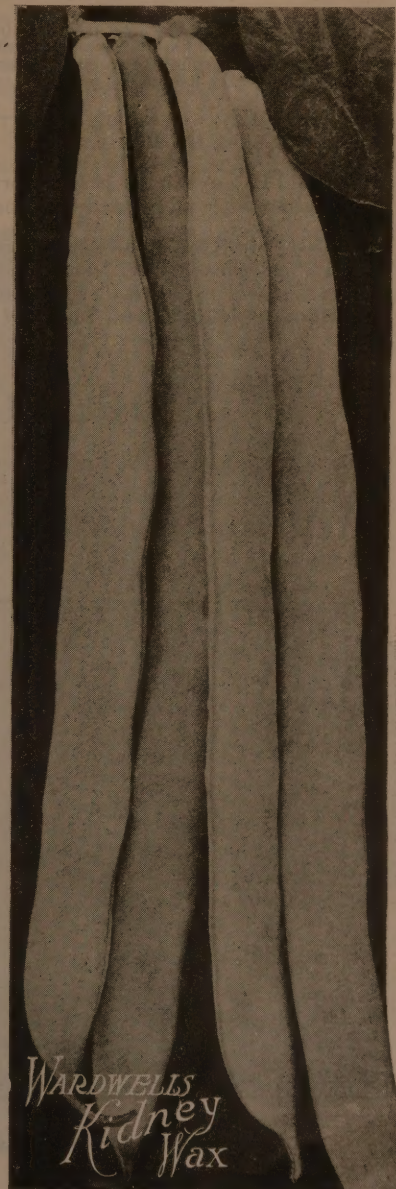
WARDWELL'S KIDNEY WAX.—Pods are long, broad, flat, and of a waxy color, brittle and entirely stringless. Not inclined to rust or disease. It is one of the most profitable sorts for market gardeners. **Pkt. 10c; lb. 40c; postpaid, lb. 50c.**

WEBBER WAX BEAN. An Early, Heavy Yielding, Plump-podded Variety.—A new Wax Bean somewhat resembling Wardwell's Kidney Wax, but with pods rounder, more meaty and of unsurpassed tenderness and delicious quality. The vine is strong, holding the pods well up from the ground. The pods and seeds are of a handsome bright yellow color. **Pkt. 10c; lb. 40c; postpaid, lb. 50c.**

Green Podded Varieties

STRINGLESS GREEN-POD.—Most popular and earliest green-podded. Most productive. Pods deep green, quite round, straight, broad, with thick, meaty flesh. Remain edible long, bear continuously for weeks. **Pkt. 10c; lb. 30c.; postpaid, lb. 40c.**

EXTRA EARLY RED VALENTINE.—Very desirable as an extra early sort for market use. Pods are of medium length; fleshy, round and saddle-backed, with only slight strings. Seed pink, marbled with red. **Pkt. 10c; lb. 25c; Postpaid, lb. 35c.**



LAZY WIFE.—The pods are a medium, dark green color, and are produced in clusters, which makes the picking of them an easy task; they are broad, thick, very fleshy, entirely stringless and retain their tender and stringless qualities until nearly ripe. Each pod when ripe contains six or eight round white beans; which are excellent for winter use. **Pkt. 10c; lb. 50c; postpaid, lb. 60c.**

SCARLET RUNNER.—Plants are of strong, quick growth, bearing a profusion of bright scarlet flowers, grow from 12 to 15 feet high, and, while usually cultivated as ornamental climbers the beans when young are very tender and excellent when shelled. **Pkt. 10c; 1-2 lb. 20c; lb. 35c; postpaid, lb. 45c.**

KING OF THE GARDEN LIMA.—This is the old-time favorite and as popular to-day as ever. It is vigorous in growth and immensely productive. The pods are large, numerous and well filled, while the beans are of mammoth size. The handsome pods frequently attain a length of 5, 6 and even 7 inches, with five or six perfectly formed beans to a pod. **Pkt. 10c.; lb. 30c.; postpaid, lb. 40c.**

CUBAN ASPARAGUS OR YARD LONG.—Entirely distinct from any of the preceding sorts. The pods grow from 2 to 3 feet long, having the thickness of a lead pencil; green, palatable and tender. If better known, would be more extensively grown. **Pkt. 10c; 1-4 lb. 20c; 1-2 lb. 35c; lb. 60c; postpaid, 1-4 lb. 25c; 1-2 lb. 40c; lb. 70c.**

*Chou de
Bruxelles*

Brussels Sprouts *Rosen Kohl*

CULTURE.—One ounce will produce about 2,000 plants. Brussels Sprouts are highly esteemed for boiling during the fall and winter months. The stalks grow to a height of from 2 to 3 feet, and are covered with sprouts, resembling a miniature cabbage. They are undoubtedly the most delicious and delicately flavored of the cabbage family.

PERFECTION.—A strong grower; sprouts tender and good. **Pkt. 5c; 1 oz. 25c; 2 ozs. 40c; 1-4 lb. 70c.**

DALKEITH.—A famous Scotch sort; stalks large, thick and close-jointed, producing an abundance of large, firm sprouts. **Pkt. 5c; oz. 25c; 2 ozs. 45c; 1-4 lb. 80c.**

DANISH MARKET.—A new strain of superior merit. Plants are of medium height, and the sprouts very freely produced along the entire stalk. Many growers show a marked preference for this variety as it becomes known. **Pkt. 10c; oz. 40c; 2 ozs. 70c; 1-4 lb. \$1.25.**

*Chou
Vert*

Borecole or Kale *Blatter Kohl*

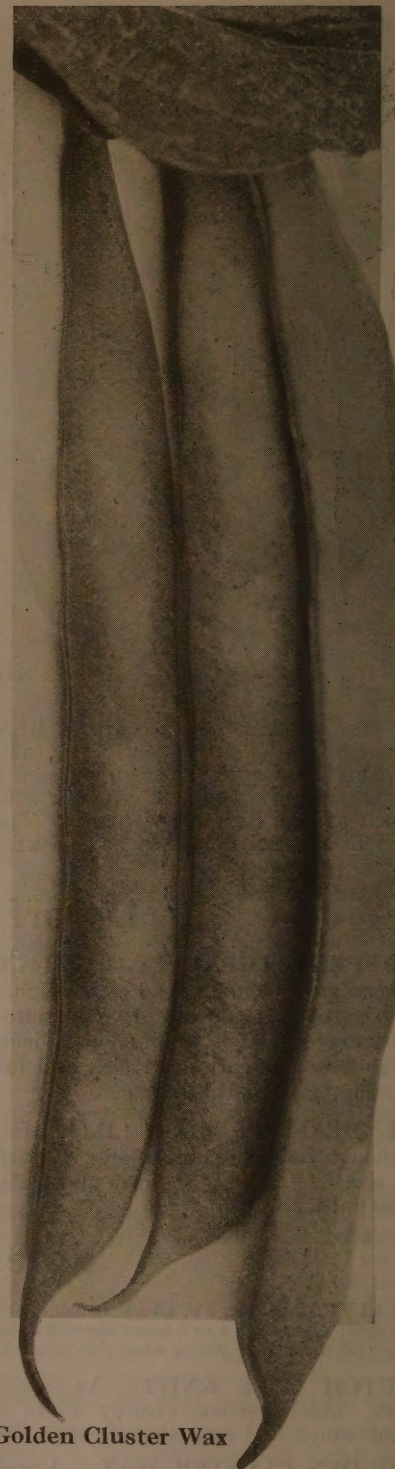
CULTURE.—One ounce will sow 150 feet of drill. The Kales are more hardy than cabbage, and will endure a considerable frost without injury. They do not form heads like cabbage, but an abundance of pretty curled leaves. Cultivate like cabbage.

EXTRA DWARF GREEN CURLED.—The habit is very dwarf and spreading, and will rarely exceed eighteen inches in height. The leaves are

beautifully curled and of an attractive bright green color, producing a very ornamental appearance. Improves with moderate frost. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**



Borecole or Kale—Dwarf Green Curled Scotch



Golden Cluster Wax

*Chou
Brocoli*

Broccoli *Spargel Kohl*

CULTURE.—One ounce will produce about 2,000 plants. Broccoli somewhat resembles the cauliflower, though not so delicate in flavor. It is more hardy, however, and can be cultivated with greater assurance of its heading. Culture same as cauliflower.

EARLY PURPLE CAPE.—Heads of good size, close, compact, brownish purple. **Pkt. 5c; oz. 50c; 2 ozs. 90c; 1-4 lb. \$1.60.**

WALCHEREN.—Fine large heads of a creamy-white color. **Pkt. 5c; oz. 60c; 2 ozs. \$1.00; 1-4 lb. \$1.75.**

Seeds That Grow Good Crops



Betterave Runkel
Patagere Rube

Beets

TO ADD ZEST TO THE MEAL



Extra Early Egyptian

Truly beets add zest to any meal and are being used all the year round by most families. McDonald's seeds produce good looking firm beets.

CULTURE.—One ounce will sow 50 feet of drill; 5 pounds for an acre. Well enriched, light soil is best suited to this crop. For early use sow in drills 1 foot apart, as soon as the soil will permit of working, covering the seed about 1 inch, pressing the soil well over the seed, which is important to secure good germination. For winter use, sow turnip-shaped sorts first part of June. When the young plants are from 2 to 3 inches in height, thin to stand 4 to 6 inches apart in the row, according to variety.

EXTRA EARLY EGYPTIAN.—One of the most desirable and popular sorts both for market and private garden use. No other variety can equal it for earliness. The root is a deep blood-red in color, rounded on top and flat beneath. The flesh is richly colored purplish-red and of splendid quality. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; 1b. \$1.25.

CROSBY'S EGYPTIAN.—A prime favorite with many market gardeners. The roots are of handsome form with small tops and very small tap roots. It is of good size; rapid growth; very sweet, tender and of excellent quality. Pkt. 5c; oz. 20c; 2 ozs. 30c; 1-4 lb. 50c; 1b. \$1.50.

ECLIPSE.—One of the good old standbys of the globe-shaped type; flesh is sweet-flavored, fine grained and of a deep crimson color zoned with pink. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; 1b. \$1.25.

DETROIT DARK RED.—Particularly desirable as a bunching sort for early market use. Tops are small and upright, permitting of close planting. Roots medium in size, globular and very smooth; skin a dark blood-red; flesh bright red, fine-grained, crisp, tender and sweet. Pkt. 5c; oz. 20c; 2 ozs. 30c; 1-4 lb. 50c; 1b. \$1.50.

KELWAY'S CRIMSON GLOBE.—This new strain of globe beet is the result of careful and intelligent selection. It is of beautiful uniform shape; flesh solid, deep blood-red and of finest quality. Pkt. 5c; oz. 20c; 2 ozs. 30c; 1-4 lb. 50c; 1b. \$1.50.

EDMAND'S BLOOD TURNIP.—A very desirable turnip-shaped beet; skin and flesh are of a deep blood-red, sweet and tender; unsurpassed for solidity and keeping qualities, consequently of special value as a main crop sort. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; 1b. \$1.25.

IMPROVED BLOOD TURNIP.—Of fine globular shape; roots smooth, medium size with dark red flesh, fine grain, very sweet, and retaining its deep color when cooked. Tops are small and of uniform growth. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; 1b. \$1.35.

HALF LONG BLOOD.—An excellent sort for winter use. Color, dark blood red; flesh delightfully crisp and tender at all stages of growth. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; 1b. \$1.25.

IMPROVED LONG BLOOD.—A good late variety for fall and winter use. Skin dark purple, almost black; flesh dark red, very tender and sweet. Pkt. 5c; oz. 10c; 1-4 lb. 30c; 1b. \$1.00.

NON PLUS ULTRA.—A particularly handsome beet of the half-long type. It is of rich blood red color, very symmetrical, clean and smooth with few fibrous roots. The flesh is of fine texture, very tender and cooks well, holding its deep color. One of the best sorts for fall and winter use. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; 1b. \$1.35.

EARLY WONDER.—Claimed to be the earliest, most uniform, bunch Beet in existence. It is a deep blood type, nearly globular in shape; small, clean, tap root; medium sized top. A field of these Beets will mature so evenly that every one can be pulled in two weeks. Pkt. 10c; oz. 20c; 1-4 lb. 50c; 1b. \$1.60.



MCDONALD'S TESTED SEEDS.

Being located in Ottawa, and having the Government seed testing laboratory so convenient to our business, in addition to our own strict system of germination tests, we believe we have unequalled facilities for assuring our clients of the very best, most reliable seeds it is possible to produce. You can be sure that there is more than mere words to our trade mark which emphasizes *Tested Seeds*.

Pomme
Chou

Cabbage *Kopf Kohl*

The grower who would have a large crop of fine cabbage should be sure to plant well-bred seed. McDonald's Seeds are secured from absolutely reliable growers in the more famous cabbage growing districts and produce solid heads true to type. Why run chances with this most important crop through buying inferior seeds when you can get the best from a firm that has been in the seed business for over forty years? You will find our range representative, and each type the best of its class.

CULTURE.—One ounce will produce about 2,000 plants. Early varieties should be sown in hotbeds or window boxes during the first part of March. While not necessary for success, better and more hardy plants will be obtained by transplanting when the second leaves appear. When conditions are favorable to outdoor planting, set out in rows about two feet apart and 18 inches in the row. Late sorts for winter use may be sown direct to the open ground in May or June, later transplanting into rows 3 feet apart and 2 feet between the plants.

MCDONALD'S SELECTED JERSEY WAKEFIELD.—This superior strain of the Jersey Wakefield is the result of most careful selection, and will be found in all respects the ideal first early cabbage for the market gardener. The heads are remarkably hard and solid for so early a cabbage, while the few outside leaves permit of close planting. Its uniformity and reliability for producing a crop make it a favorite with those who know it. **Pkt. 5c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c.**

EARLY SPRING.—This round, flat-headed cabbage is almost as early as Jersey Wakefield. The plant is vigorous, compact, with few outer leaves and short stem. The growth is rapid and uniform, while the heads will average one-fifth more in weight than the pointed varieties. **Pkt. 5c; oz. 30c.; 2 ozs. 50c; 1-4 lb. 90c.**

COPENHAGEN MARKET. A Big Money Maker for the Market Gardener.—This remarkable cabbage matures but a few days later than Jersey Wakefield. It is undoubtedly the finest of the early ball-shaped sorts, and is thoroughly fixed as to type, the heads all maturing at the same time, which is a valuable consideration to market gardeners. The heads are unusually solid with small core, and average about ten pounds in weight; quality is excellent; leaves, bright green in color, saucer-shaped and always tightly folded. Our seed is genuine, obtained from original source of supply. **Pkt. 10c; oz. 60c; 2 ozs. \$1.00; 1-4 lb. \$1.75.**



McDonald's Selected Early Jersey Wakefield

Second Early Varieties

WINNINGSTADT.—A commendable sort for general use. Heads are of medium size and sharply pointed; very hard and of excellent quality. On account of peculiar texture and formation of the short, thick, bluish dark-green leaf, it is claimed that this sort is less susceptible to attack of insects and cabbage worms. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

HENDERSON'S EARLY SUMMER.—Matures about two weeks later than Jersey Wakefield. Forms large, solid, round, flattened heads of excellent quality, which are tender and sweet. An old-time favorite but still popular and in extensive demand. **Pkt. 5c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c.**

GLORY OF ENKHUIZEN.—We have listed this superior strain of cabbage for the past five years, and during this period it has found its way to the front rank as a second early sort. Market gardeners are particularly enthusiastic in its praise, and say they never had any variety to equal it. The heads are of large size, white in color, very solid, tender, fine-grained and of remarkably fine flavor. The outer leaves are closely folded to the head, which permits of very close planting. This is one of the best sorts, whether for private garden or market use. **Pkt. 5c; oz. 30c; 2 ozs. 50c.; 1-4 lb. 90c.**

FOTTLER'S IMPROVED BRUNSWICK.—The heads are uniform, hard and solid; foliage is light bluish green, of dwarf, compact growth; solid, flat heads, which rest almost on the soil, owing to the very short stem, while a few outer leaves grow very closely about the head. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

HENDERSON'S SUCCESSION.—This is claimed by many to be the finest all-round cabbage in existence to-day, whether for medium early or late crop use. It is of fair size, handsome color and best quality. Claimed by the originator to be the finest and best of his many introductions. **Pkt. 5c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c.**

ALL SEASONS (Vandergaw)—As the name indicates, good for all seasons—early, medium or late. It is a little later than Early Summer, but very much larger in size, and for the market gardener is one of the most useful, marketable and profitable sorts to grow. The heads are dark blue-green in color, and the quality in all respects very fine. **Pkt. 5c; oz. 30c; 2 oz. 50c; 1-4 lb. 90c.**



Copenhagen Market



Autumn King

Late or Winter Varieties

AUTUMN KING.—One of the good old time varieties, and probably the finest of all large, late drumhead cabbage grown at the present day. The heads are of enormous size, dull green in color, while the interior portion is white, crisp, fine-grained, and of splendid sweet quality. Autumn King, it is claimed, will produce greater weight per acre than any other owing to its very small outer leaves and adaptability to close planting. Pkt. 5c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c.

DANISH ROUNDHEAD—The Best of all Winter Cabbage. —While not of large size, the heads are remarkable for solidity and weight. The plant is vigorous in growth, short-stemmed, and exceedingly hardy in resisting cold and dry weather. The outer leaves are of a bluish-green; the inner blanched to purest whiteness. It is impossible to obtain a finer selection of stock than we offer in this special strain, and consequently we give it our strongest possible recommendation. Pkt. 5c; oz. 25c; 2 ozs. 45c; 1-4 lb. 80c.

BURPEE'S SUREHEAD.—A valuable selection of the Flat Dutch type. Heads are of largest size, very solid, firm and of fine texture, weighing from 10 to 15 pounds under ordinary cultivation. Pkt. 5c.; oz. 25c.; 2 ozs. 45c.; 1-4 lb. 80c.

MATCHLESS FLAT WINTER.—While the ballhead type of cabbage is now generally preferred for winter use some still look upon the flathead as par excellence. This selection is a superior type, the heads being very solid and uniform in size and shape. Pkt. 10c.; oz. 35c.; 2 ozs. 60c.; 1-4 lb. \$1.00.

PREMIUM or LATE FLAT DUTCH.—No cabbage is so universally grown as this. Heads are large, very solid, broad, flat on top. Our strain of seed is reliable for heading, evenness of crop and size. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

PERFECTION DRUMHEAD SAVOY.—For winter use this variety is unsurpassed, heads large and solid, very tender and of excellent flavor. Pkt. 5c; oz. 25c; 2 ozs. 45c; 1-4 lb. 80c.

THIRTY YEARS' VERDICT

"I can truthfully say that your tested seeds are the best I have ever tried in my thirty years farming."—HANCE H. FIELD, Pugwash, N.S.

Red Cabbage

These two varieties of red cabbage have proved their right to be considered the leaders of this type. You will find that they produce abundantly under proper conditions and with due attention.

MAMMOTH ROCK RED.—Best large headed sort; has been in foremost demand for years past. Heads uniformly solid and of deep red color. Pkt. 5c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c.

ROUND RED DANISH.—A new selection of the same desirable type, but of smaller size, than Danish Ballhead. In color, an intense deep purplish red, which it retains through to centre of head. Uniform in size, solidity and weight. Fine for market trade. Pkt. 10c; oz. 35c; 2 ozs. 60c; 1-4 lb. \$1.00.

Other Varieties

In addition we have the following varieties:

Charleston Wakefield.—Pkt. 5c.; oz. 30c.; 2 ozs. 50c; 1-4 lb. 90c.

Early Etampes.—Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.

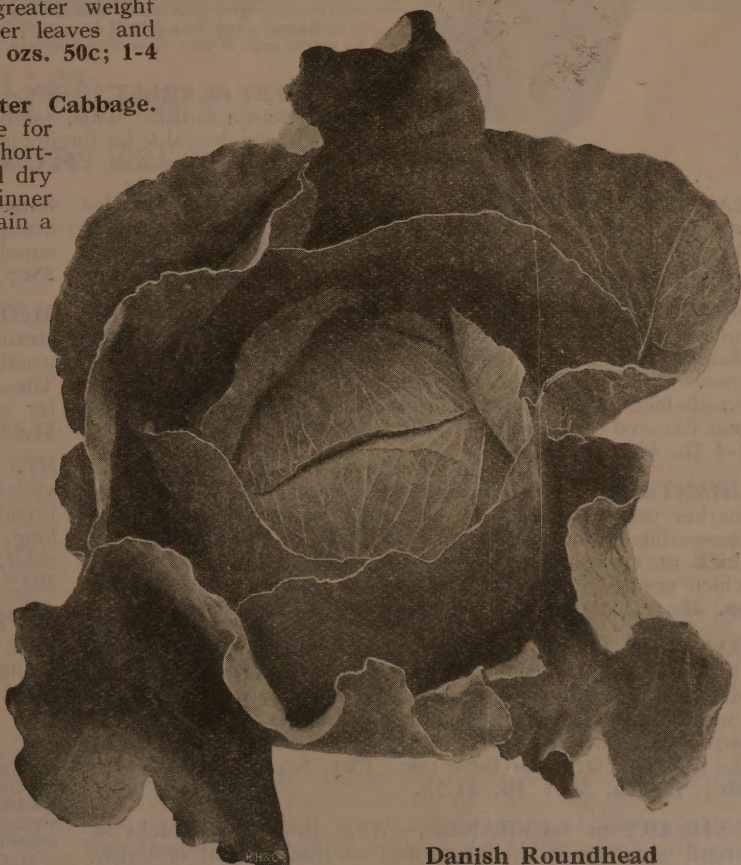
Hollander or Danish Ballhead.—Pkt. 5c; oz. 25c; 2 ozs. 45c; 1-4 lb. 80c.

FIRST CLASS EVERY TIME.

"Have purchased Seed Corn and Garden Seeds from you for a number of years, and have found all to be first class every time."—JOHN HUGH FRANKLIN, Ettyville, Ont.

A No. 1 CROPS

"I have always had A No. 1 crops from your seeds. I cannot speak too highly of them."—S. PRITCHARD, Newboro, Ontario.



Danish Roundhead
(Short Stemmed)



Carotte Carrots Mohre

NUMEROUS VARIETIES TO CHOOSE FROM

Carrots are a staple in every garden and if the proper seed is planted it never disappoints when conditions are satisfactory. McDonald's carrot seeds have an enviable reputation.

CULTURE.—One ounce will sow 100 feet of drill; 2 to 3 pounds to the acre. Carrots do best in a rich sandy loam, well pulverized and deeply cultivated. Sow as early in spring as the ground can be worked, in drills not more than $\frac{1}{2}$ inch deep, and from 12 to 15 inches apart, thinning out to about 4 inches in the row. As carrot seed is very slow to germinate, special precaution should be taken to firm the soil after sowing the seed.

EARLIEST SCARLET HORN.—In size this is the smallest of all carrots, being scarcely larger than a radish. This, combined with extreme earliness and small top, has made it particularly desirable for forcing under glass. The roots are a reddish orange in color; tender and deliciously flavored. Pkt. 5c; oz. 25c; 2 ozs. 45c; 1-4 lb. 80c; 1b. \$3.00.

EARLY SCARLET HORN.—Particularly suited as a bunching sort for early market; length, from 3 to 4 inches; color, deep orange; flesh fine grained and of agreeable flavor. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; 1b. \$2.25.

NANTES HALF LONG.—An excellent, half-long, stump-rooted variety of superior quality. Tops medium size, roots almost cylindrical, very smooth; grows about 6 inches long. Color, orange red, shading to yellow in centre, but no distinct core. Claimed by many to be the sweetest and best flavored of all carrots. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; 1b. \$2.25.

CHANTENAY.—This is undoubtedly the finest carrot for market use. The flesh is of a rich golden orange, tender, fine-grained and free from hard core. The roots are unusually thick at the shoulder, gently tapering to a blunt point, which greatly facilitates the work of harvesting. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; 1b. \$2.25.

DANVERS HALF LONG.—Adapted for planting in all classes of soil; half-long, 6 to 8 inches, somewhat tapering in shape, and of a rich deep orange color. It will yield more tons to the acre than any other, and for this reason, is extensively grown for stock, while at the same time, one of the best for market or table use. Pkt. 5c; oz. 15c; 2 ozs. 30c; 1-4 lb. 50c; 1b. \$1.75.

OXHEART or GUERANDE.—What this variety lacks in length it carries in thickness, and on this account is highly desirable for sowing in shallow or stiff, hard soils, where the

longer varieties do not succeed. The flesh is of a bright orange color, fine grained and sweet. Fine for table and equally good for stock feeding. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; 1b. \$2.25.

McDONALD'S SELECT INTERMEDIATE.—A very choice strain of intermediate, stump-rooted carrot. The roots are usually symmetrically formed, coming to an abrupt point. The flesh is of fine texture, crisp and sweet. Desirable for general use. Pkt. 10c; oz. 30c; 2 ozs. 55c; 1-4 lb. \$1.00.

ST. VALERY INTERMEDIATE.—A comparatively new variety of French origin. Tops, very small; roots, very large, broad across the top, often $2\frac{1}{2}$ to 3 inches, and 10 to 12 inches long, tapering gradually to the tip; flesh, a rich, deep, orange color, tender and fine flavored. Pkt. 5c; oz. 15c; 2 ozs. 30c; 1-4 lb. 50c; 1b. \$1.75.

IMPROVED LONG ORANGE.—A well-known standard sort; roots long, tapering regularly to a point, color, deep orange, suitable for table and main field crop. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; 1b. \$1.50.

POOR SEEDS A WASTE.

Poor seeds waste the time and labor that have been spent in preparing the land for the crops, and no after care in cultivation can bring profitable results. The best seeds cost but little more than the ordinary and are always worth the difference. We have made our prices as low as it is possible for fresh, vigorous seeds of the finest strains.

McDonald's Tested Seeds are uniformly of the highest grade procurable, and can be depended on for satisfactory results.



McDonald's Extra Select Erfurt Cauliflower

Chou-Fleur **Cauliflower** Blumen-Kohl

MCDONALD'S SEEDS ARE SELECTED

Our growers receive 30% to 50% extra for reserving for us the finest selection of plump seed. As a result McDonald's Cauliflower seed yields a larger crop of better quality than most others.

CULTURE.—Cauliflower will grow in any good soil that suits cabbage. Any time during the month of March, the seed may be sown in hotbeds. When plants have attained a height of from 3 to 4 inches, transplant into boxes or frames, allowing space of about three inches between the plants; later when conditions have become favorable to outdoor planting, set out in rows 2 feet apart and from 18 to 24 inches between the plants. For later use the seed may be sown into the open ground from May to June.

DANISH DRY WEATHER.—While failure of Cauliflowers to head on account of unfavorable weather conditions is frequent, Danish Dry Weather has finally overcome this difficulty, owing to its ability to produce fine, large heads under adverse conditions. The leaves are large and offer a great protection to the head in the hottest and driest months. Heads are of close texture, snow-white, and entirely free from coarse spots. While not so early as Extra Select Erfurt or Early Snowball, there is absolutely nothing better in quality. Pkt. 25c; 1-2 oz. \$1.75; oz. \$3.25.

MCDONALD'S EXTRA EARLY DWARF ERFURT.—Extensively used for market trade; very early and one of the

surest to make large, solid heads of purest white. The curd is of fine texture and dense in growth; the plant has a short stem with close outer leaves. Pkt. 25c; 1-2 oz. \$1.50; oz. \$2.75.

HENDERSON'S EARLY SNOWBALL.—Extremely early and produces magnificent, large, solid heads of a beautiful snowy-whiteness. Its compact habit combined with short outside leaves permits of closest planting. Pkt. 25c; 1-2 oz. \$1.50; oz. \$2.75.

EXTRA EARLY PARIS.—A well-known variety; medium-sized heads; tender and delicious. Pkt. 5c; oz. 75c; 1-4 lb. \$2.50.

LENORMAND'S SHORT STEM.—Has large, well-formed heads; white and firm. Pkt. 5c; 1-2 oz. 40c; oz. 75c; 1-4 lb. \$2.50.

VEITCH'S AUTUMN GIANT.—A late variety of vigorous growth, and well protected by foliage. Pkt. 5c; 1-2 oz. 30c; oz. 50c; 1-4 lb. \$1.50.

Chives

Hardy little perennials, grown for their hollow, grass-like leaves, which are produced in great abundance and very early in the spring. Used for salads and seasoning, imparting a mild onion-like flavor. Generally grown as edgings for beds in the garden. Once every three years or so, the roots may be divided and transplanted. Pkt. 10c; oz. 75c; roots 15c per bunch.

Mâche **Corn Salad** Ackersalat

BROAD LEAVED (Large Seeded).—Makes a delicious salad, used during the winter and spring months as a substitute for lettuce, and also cooked and used like spinach. Sow the seed in shallow drills about 1 foot apart. If soil is dry, firmly press over seed to secure prompt germination. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c.



Celeri **Celery** *Sellerie*

Is there a vegetable more delicious than crisp, white, appetizing celery? It is an article that should be given every consideration in all fair sized gardens, while growers find it a most desirable market line. Our range is wide and each variety is the best of its type.

CULTURE.—One ounce of seed will produce 3,000 plants. Sow the seed early, in hotbed or window boxes, or outdoors when the soil becomes warm, in finely prepared seed bed, covering the seed not more than $\frac{1}{4}$ inch deep. As seed is slow to germinate make sure that the bed is kept moist. When plants are 3 inches high, transplant to 4 inches apart into temporary beds of soft, rich soil, until they acquire sufficient strength for planting out. If plants grow too quickly shear the tops off when about 4 inches high, which will be the means of making them more stocky. Later set in rows 3 feet apart, and 8 inches apart in the row. After the planting is completed, nothing further is necessary for six or seven weeks, except running between the row with hoe or cultivator, and freeing the plants from weeds. About the middle of August earth up for blanching that portion which is wanted for early use. After the soil has been drawn up against the plants with the hoe, it is further pressed around each plant with the hand, firm enough to keep the leaves upright and prevent them from spreading, using care to keep the soil from falling into the heart of the plant.

PARIS GOLDEN YELLOW.—(Golden Self-Blanching).—This is the best of all "self-blanching" varieties. It is ready for use nearly as early as the White Plume, and is larger in size, while finer in quality. It is of dwarf, compact habit, with thick, solid, heavy-ribbed stocks, which blanch easily to a clear, waxen yellow color. The stocks are crisp and solid, free from stringiness, and of a most desirable flavor. More extensively used by market gardeners than any other. **American Grown Seed:** Pkt. 10c; 1-2 oz. 40c; oz. 75c; 1-4 lb. \$2.50. **French:** Pkt. 20c; 1-4 oz. 50c; 1-2 oz. 90c; oz. \$1.75; 1-4 lb. \$6.00.

PARIS GOLDEN ROSE.—This is a sport of the Paris Golden Yellow, being identical in habit and growth. It is the most beautiful of all pink celeries, being equal to its parent in all respects, differing only in the bright rose ribs, and blanching with the same ease. Pkt. 10c; 1-2 oz. 30c; oz. 50c; 1-4 lb. \$1.75.

WHITE PLUME.—A valuable early variety; requires very little labor in blanching; desirable for early market, and one of the best for family use. Pkt. 5c; oz. 40c; 2 ozs. 75c; 1-4 lb. \$1.25.

GOLDEN HEART or GOLDEN DWARF.—A distinct variety of sturdy, dwarf habit. It is solid, an excellent keeper and of fine nutty flavor. The heart, which is large and full, is a light yellow when blanched, making this an exceedingly attractive sort for market or table use. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 75c.

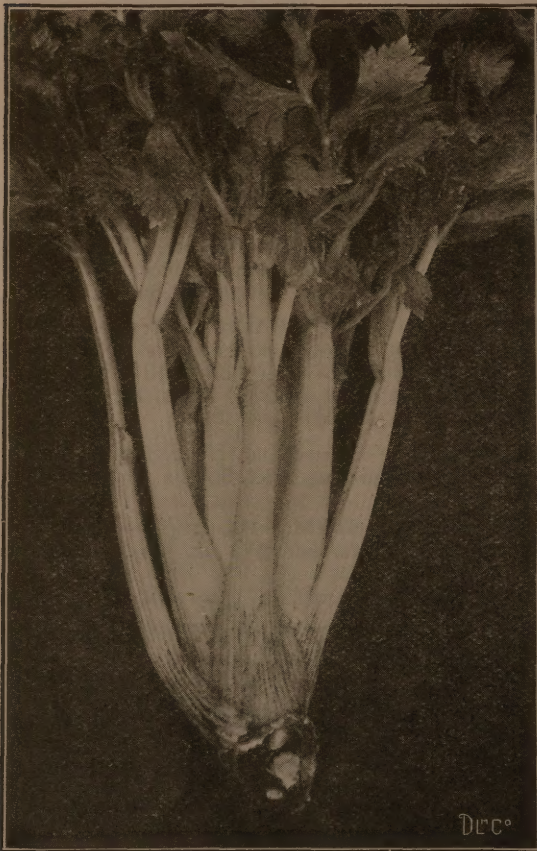
EVANS TRIUMPH.—An excellent variety and one of the best keepers. Stalks large and solid, very crisp, and of finest texture. We recommend this variety as possessing extraordinary merit for market or private use. Pkt. 5c; oz. 25c; 1-4 lb. 75c.

GIANT PASCAL.—A desirable sort, possessing superior keeping qualities, which makes it one of the best for winter use. The stalks are of handsome appearance, broad, thick, solid, entirely stringless, crisp and tender. Pkt. 5c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c.

WINTER QUEEN.—One of the finest varieties of winter celery, possessing the strong, vigorous growth of Giant Pascal. It is remarkable for keeping qualities and will last until the spring months when properly stored. The thick, heavily ribbed stalks, which surround a large golden heart, are of most desirable table quality when blanched. Pkt. 5c; oz. 40c; 2 ozs. 70c; 1-4 lb. \$1.25.

FROM FORT FRANCES, ONT.

"All the seeds I got from you last year were the very best, and I had the finest crop of vegetables I ever had."—A. K. DAVIDSON, Fort Frances, Ont.



Winter Queen

Celeriac

or German Celery

CULTURE.—An ounce of seed will produce 1,000 or more plants. Sow the seed and cultivate same as celery, with the exception of hilling, as Celeriac needs no earthing up, and may be planted in rows one foot apart.

LARGE SMOOTH PRAGUE.—This is unquestionably the largest and best celeriac in existence. Roots large, globe-shaped and smooth. It is the finest vegetable grown for soups, giving a flavor which celery itself cannot furnish. Pkt. 5c; oz. 40c; 1-4 lb. \$1.25.

Chicorée Sauvage

Chicory

Wilde Cichorie

One ounce will sow 100 feet of drill.

WITLOOF or FRENCH ENDIVE.—Makes a most delicious salad. Sow seed in May or June in drills 12 inches apart, later thinning plants to stand 6 inches apart. Keep free from weeds by constant cultivation. Toward the first of November, take up the roots, and place in earth in a cool cellar or under a greenhouse bench. Within four or five weeks the finely blanched, crisp leaves will attain proper size for use and, when cut, a succession of leaves will follow. Pkt. 10c; oz. 30c; 1-4 lb. \$1.00.

LARGE-ROOTED or COFFEE.—Roots of this variety form the chicory of commerce. Used to mix with or as a substitute for coffee. Cultivate the same as for carrot. Dig roots in fall; slice thin and dry in an evaporator. Roast brown like coffee. Pkt. 5c; oz. 25c; 1-4 lb. 75c.



Chicory—Witloof

Citron

For Preserving

COLORADO or GREEN SEEDED.—This variety grows uniformly round and smooth. It has a handsomely striped and marbled light green skin. Makes beautiful, nearly transparent preserves, for which purpose it is extensively used. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

RED SEEDED CITRON.—Differing from preceding sort in color of seeds, which are red; price the same.



Citron "Colorado" (Green Seeded)

Cerfeuil

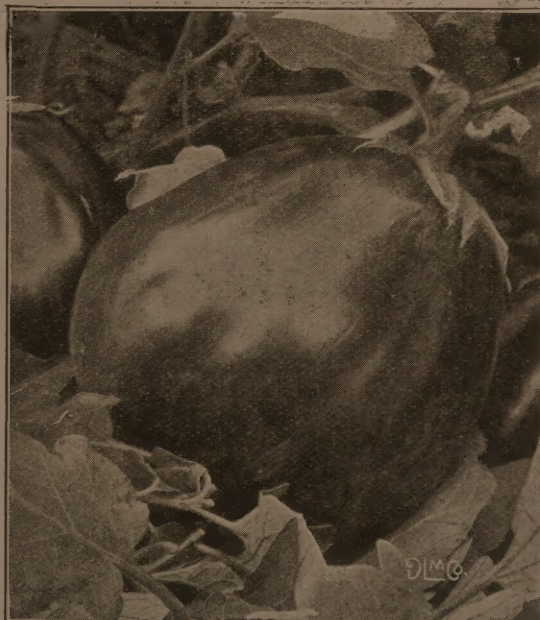
Chervil

Cartenkerble

CULTURE.—Sow in drills 1 foot apart, covering seed $\frac{1}{4}$ inch. Thin out plants to stand 4 inches apart in the row; leaves ready for use in from six to eight weeks.

DOUBLE CURLED.—Even more beautiful than parsley, and can be used to

great advantage in garnishing meats or vegetables. Leaves are also used in soups and salads. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.



Improved New York Purple

Aubergine

Egg Plant

Eierpflanze

CULTURE.—One ounce of seed will produce about 1,000 plants. Sow the seed in a hotbed about April 1st, or if hotbed is not available, may be grown in any bright room with a temperature of about 70 degrees. When the weather has become warm and settled, gradually harden the plants by exposure to the sun and air, after which transplant to the open in rows 2½ feet apart each way. The Egg Plant requires a rich soil and as favorable a location for warmth as the garden will afford.

IMPROVED NEW YORK PURPLE.—One of the best and largest varieties in cultivation. The plant is robust, low-growing, branching freely, and bearing large, oblong-shaped purple fruit. The favorite sort for either home or market garden. Pkt. 10c; 1-2 oz. 35c; oz. 60c.

BLACK BEAUTY.—Somewhat earlier than improved New York Purple; fruits not quite as large, a little longer in shape and slightly darker in color. Pkt. 10c; 1-2 oz. 40c; oz. 75c.

Mais **Corn** Mais

MILKY, TENDER CORN ALL SEASON

Make a judicious selection of varieties and you will have delicious, milky, tender corn during the entire season. We have endeavored to concentrate on the finest types of corn and feel you will be well pleased with our offerings. Do not forget to include some pop corn in your order, as it would never do to neglect the good old popping parties of winter days.

You will notice we have adopted a **10c. packet** for mail orders. It contains more than two 5c. packets such as are sold from commission boxes.

Sweet or Sugar Sorts for Table Use.

CULTURE.—One quart will plant about 200 hills; 8 to 10 quarts for an acre in hills. The Sweet or Sugar varieties, being liable to rot in cold or damp ground, should not be planted before the middle of May or until such time as the soil has become thoroughly warm. Plant 5 or 6 grains to the hill; hills 3 feet apart each way. When up, thin out, allowing 3 or 4 of the strongest plants to remain. Hoe often and draw soil up to stem. Thorough cultivation until tassels appear is highly important.

EARLY MAYFLOWER.—Too much cannot be said of the merits of this new extra early sweet corn. Gardeners and others who planted it last season expressed themselves as delighted with the quality and earliness of the crop. It is fully a week earlier than Cory, while the ears are longer and of larger size. We do not hesitate to recommend "Early Mayflower" for both market and private planting. **1-4 lb. 10c; 1b. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; 1b. 40c.**

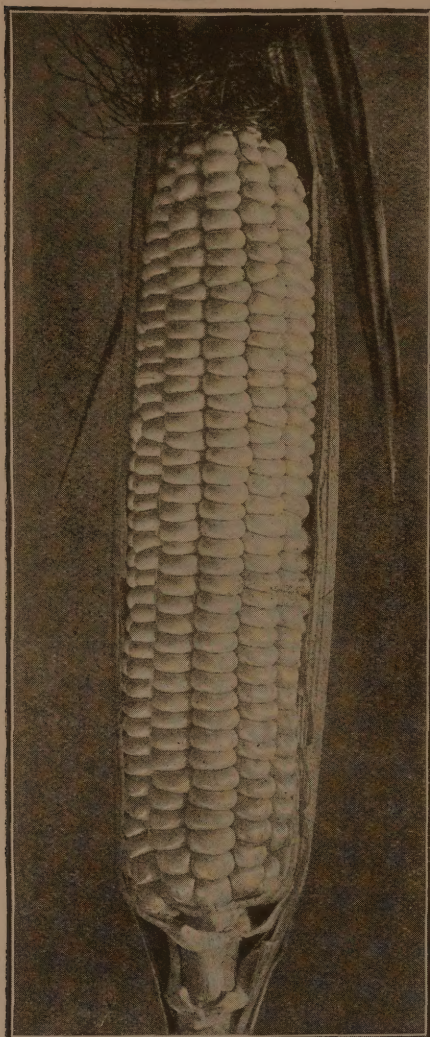
EXTRA EARLY WHITE CORY.—A great favorite with market gardeners, largely on account of its extreme earliness. The constant and increasing demand for it proves that it is being more extensively planted from year to year. Ears are eight rowed, medium size, white cob. **1-4 lb. 10c; 1b. 25c; 5 lbs. \$1.00; postpaid, pkt. 10c; 1b. 35c.**

MAMMOTH WHITE CORY.—Ready for use within two or three days after Extra Early Cory. Ears, twelve-rowed and nearly twice the size of Cory. **1-4 lb. 10c; 1b. 25c; 5 lbs. \$1.00; postpaid, pkt. 10c; 1b. 35c.**

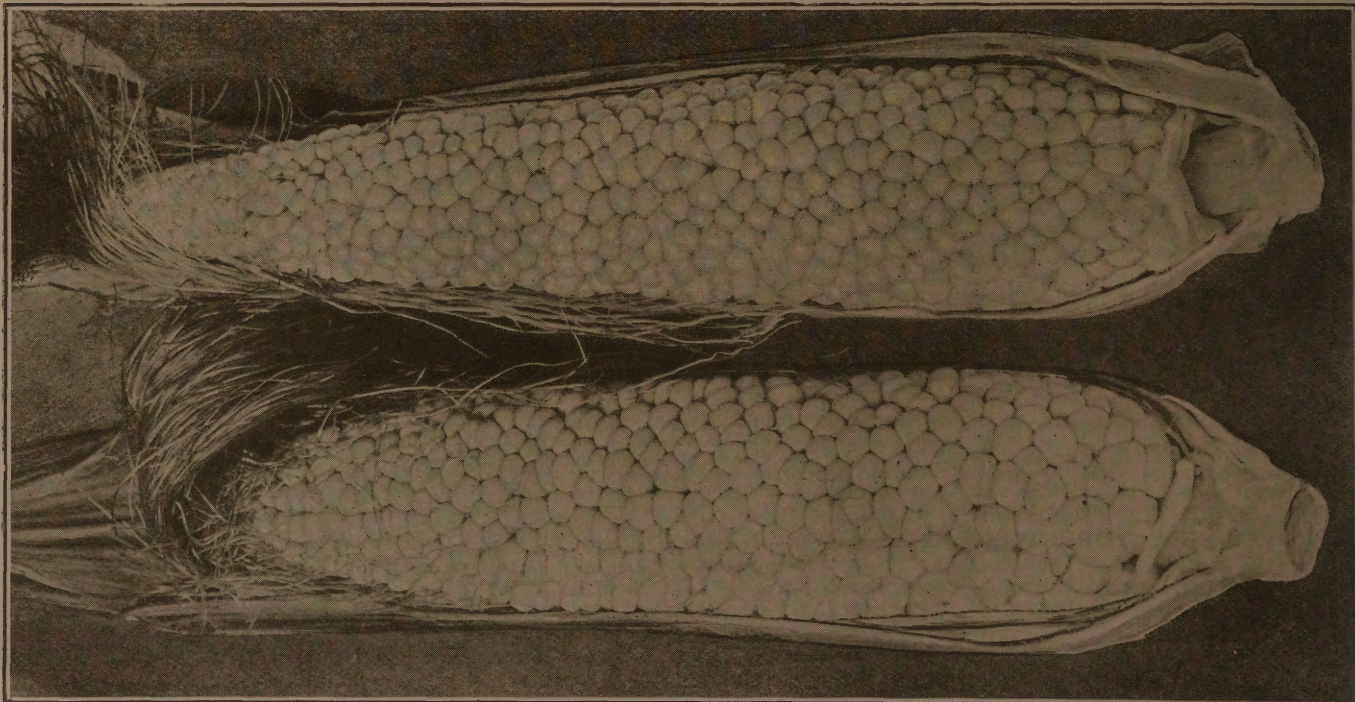
GOLDEN BANTAM.—Probably the most delicious and finest flavored of all sugar corns; frequently described as, "sweet as honey." The stalks are dwarf and sturdy in habit, growing to a height of four feet and producing two or three handsome, golden-yellow ears, measuring from five to six inches in length. **1-4 lb. 15c; 1b. 40c; 5 lbs. \$1.75; postpaid, pkt. 10c; 1b. 50c.**

EARLY PERFECTION.—Ears are of unusually large size; grain pure white, tender; flavor deliciously sweet. Ready for use about same time as Kendal's Early Giant, while ears are more uniform, and of even better quality. We recommend this for private or market use. **1-4 lb. 10c; 1b. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; 1b. 40c.**

KENDAL'S EARLY GIANT.—An excellent sort and a staunch favorite with market gardeners as a second early. Stalks grow from four to five feet with one or two ears to each stalk; ears from eight to ten inches; broad kernels; quality very sweet and tender. Attains to market condition in from 65 to 70 days. **1-4 lb. 10c; 1b. 25c; 5 lbs. \$1.00; postpaid, pkt. 10c; 1b. 35c.**



Early Mayflower



Country Gentleman

Seeds That Grow Good Crops



CROSBY'S EARLY.—Greatly prized and more extensively planted for canning purposes than any other. Ears six to seven inches with ten to twelve rows of grains closely set, which are white and deliciously tender. 1-4 lb. 10c; 1b. 35c; 5 lbs. \$1.50; postpaid, pkt. 10c; 1b. 45c.

BLACK MEXICAN.—One of the sweetest and most delicious of all sugar corns. When once tried it is usually repeated for the home garden. The ripened grains are of a peculiar bluish-black in color, but when in table condition look remarkably white. Medium early in season. 1-4 lb. 10c; 1b. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; 1b. 40c.

HENDERSON'S SUGAR.—An ideal sort following the early varieties and ready for table from ten days to two weeks before the evergreens. The thick, compact ears are filled from butt to tip with large, milk-white kernels of luscious tenderness. 1-4 lb. 10c; 1b. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; 1b. 40c.

COUNTRY GENTLEMAN.—One of the finest and most delicious sugar varieties for table use. The ears are of good size and produced in great abundance. It is easily identified by the irregular arrangement of the small, but plump, pearly-white kernels. In season about ten days earlier than evergreen. 1-4 lb. 15c; 1b. 40c; 5 lbs. \$1.75; postpaid, pkt. 10c; 1b. 50c.

METROPOLITAN MARKET.—This is a valuable new sort combining the desirable features of earliness and fine quality. Cobs are snowy white in color. Recommended for either market or private use. 1-4 lb. 10c; 1b. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; 1b. 40c.

PEEP O'DAY.—A variety of extraordinary earliness and superior sweetness, equalling the larger and later varieties. A profitable sort for market gardeners owing to its earliness, productiveness and fine appearance. 1-4 lb. 10c; 1b. 25c; 5 lbs. \$1.00; postpaid, pkt. 10c; 1b. 35c.

STOWELL'S EVERGREEN.—The ears are large, deep grained. Quality is very tender and sugary to close of season. 1-4 lb. 10c; 1b. 35c; 5 lbs. \$1.50; postpaid, pkt. 10c; 1b. 45c.

WHITE EVERGREEN.—Similar to Stowell's Evergreen but color is snow white. Ears large and filled with long slender grains of purest white and delicious flavor. Stalks strong, vigorous, six to seven feet high. 1-4 lb. 10c; 1b. 35c; 5 lbs. \$1.50; postpaid, pkt. 10c; 1b. 45c.

ZIG-ZAG EVERGREEN.—Ready for use about same time as Stowell's; grains zig-zag on cob; color, pure white; kernels very deep and dense; quality superb. 1-4 lb. 10c; 1b. 35c; 5 lbs. \$1.50; postpaid, pkt. 10c; 1b. 45c.

VAUGHAN'S BANTAM EVERGREEN.—See page 3.

POCAHONTAS.—See page 3.

Pop Corn

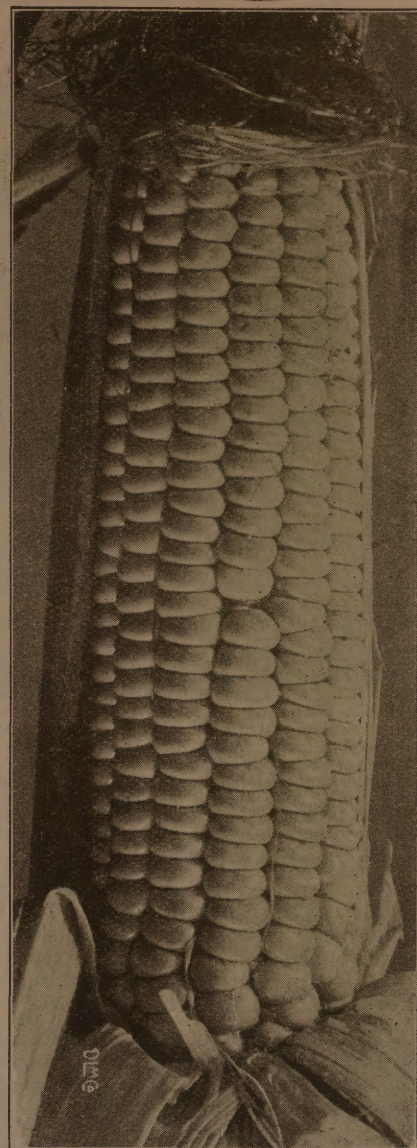
These varieties are sold all at the same prices:—1-4 lb. 10c; 1b. 20c; 2 lbs. 35c; postpaid, 1-4 lb. 15c; 1b. 30c.

MAPLEDALE PROLIFIC.—Stalks grow six feet high; ears large; kernels white.

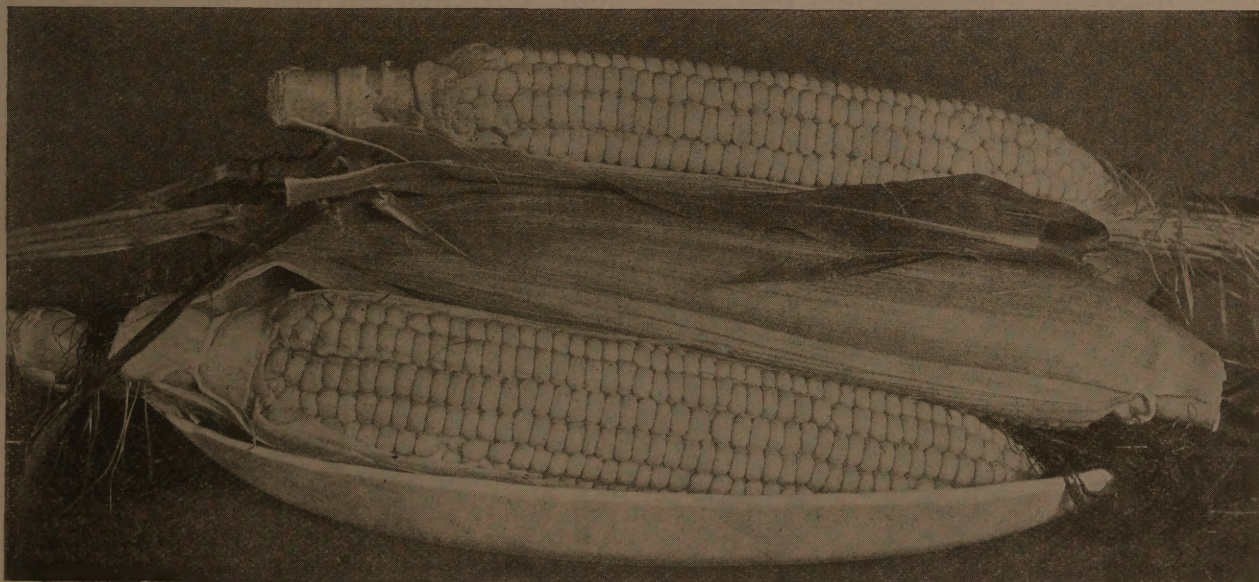
GOLDEN QUEEN.—Probably the largest of all pop corn. Color bright golden-yellow; kernels very large and creamy-white when popped.

IMPROVED WHITE RICE.—The ears are of medium size, three or four to a stalk; kernels round, sharp-pointed; color, transparent white.

NEW RED BEAUTY.—Ears medium to large; color, bright red; cob small and grains deep; very early and productive.



Golden Bantam



White Evergreen



Concombre **Cucumber** Gurke

Here you will find a wide assortment for table use or pickling. Cucumbers fit into every garden and do not require extreme care, yet produce heavily.

CULTURE.—One ounce of seed will plant 50 hills; 2 to 3 lbs. for an acre. Choose a warm, rich sandy loam, well dug, pulverized and manured. Plant in hills 4 to 5 feet apart each way, using an abundance of seed, ten or twelve seeds to hill (the young plants have many enemies), covering the seed $\frac{3}{4}$ inch. When danger from insects is past, pull all but three or four of the strongest plants. For very early crops the seed may be sown in hotbed, pots, boxes, or upon pieces of sod, grass-side down, so that they can be conveniently planted to the open ground when weather conditions become favorable. Keep fruits well picked, otherwise, they will ripen and destroy the productiveness of the vines.

ARLINGTON WHITE SPINE.—One of the best for forcing, yet unsurpassed for open ground cultivation. Fruits are well shaped; regular in outline; 7 to 8 inches in length, and of a dark, glossy green color, slightly tipped with white at the blossom end, making it extremely attractive for market use. A strong grower and very prolific. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.25.

IMPROVED LONG GREEN.—Popular as ever. Excellent for table use or pickling. Fruits measure from 10 to 12 inches; dark green in color; flesh solid, crisp and of fine quality. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.25.

DAVIS PERFECT.—One of the finest and most perfect cucumbers. Has length, slinness and dark green color; extreme vigor in growth and great productiveness. Desirable alike for indoor and outdoor planting. Readily commands the highest price in competition with other sorts. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.25.

FORDHOOK FAMOUS.—A long green cucumber of the white spine type. Never turns yellow, even when ripe. Vines are of strong, vigorous growth and well set throughout the season with long, handsome fruits, of a bright green color, from 10 to 14 inches in length. Flesh white, firm, crisp, and very thick with comparatively few seeds. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.40.

EVERGREEN or EXTRA LONG WHITE SPINE.—Fruits from 2 to 3 inches longer than Arlington and more squared at the ends. Deep green color, well retained in all stages of the growth. While one of the best for forcing, it is first class for pickling. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.25.

CUMBERLAND.—Ideal for pickles, besides being excellent for slicing. "Cumberland," is the result of a cross between Parisian Pickling and Peerless White Spine, and retains the characteristics of the former in bearing fruits thickly covered with small white spines. It is a strong grower and exceedingly prolific, while the fruits are exceptionally straight and symmetrical. Flesh is firm, crisp and tender at all stages of growth. Pkt. 5c; oz. 10c; 1-4 lb. 30c; lb. \$1.00.

COOL AND CRISP.—A White Spine which is extremely early and unusually prolific, bearing its beautiful dark green fruits throughout the entire season. One of the best pickling varieties, while excellent for general use. Pkt. 5c; oz. 10c; 1-4 lb. 30c; lb. \$1.00.



Green Prolific or Boston Pickling

Seeds That Grow Good Crops

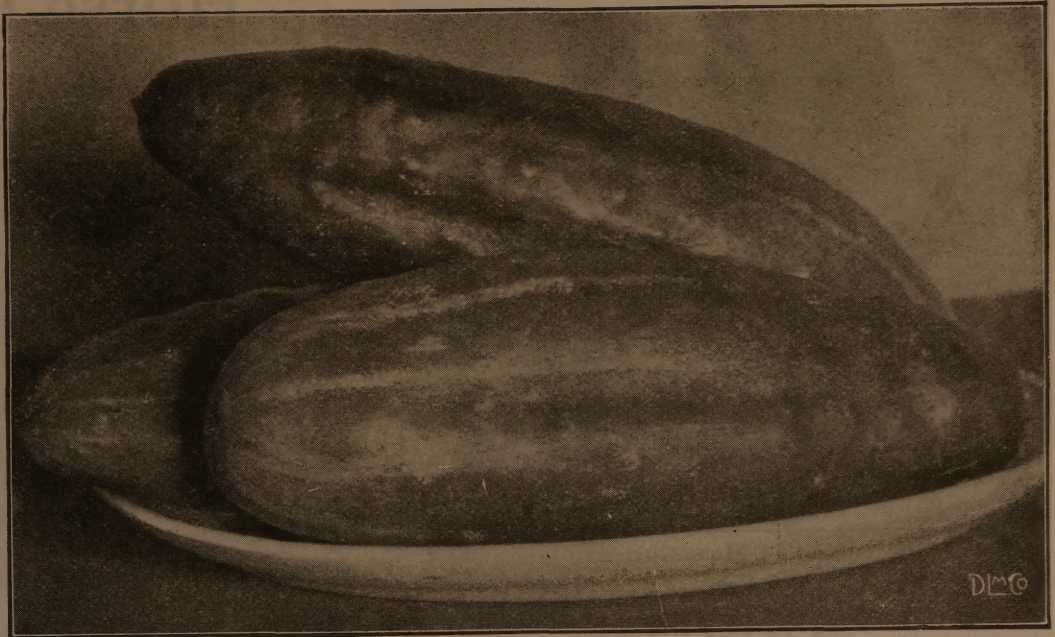


GREEN PROLIFIC; or, BOSTON PICKLING.

A standard variety which makes an ideal pickling cucumber. Fruits are of medium size, from four to five inches, slender and dark green in color. Vines vigorous, healthy and remarkably productive. **Pkt. 5c; oz. 15c; 1-4 lb. 40c; lb. \$1.25.**

JAPANESE CLIMBING

Vines grow to a height of from eight to ten feet, throwing out numerous tendrils, which may be trained on trellises or other supports, saving much space in small gardens. Two or three times larger crop can be produced than would be yielded by other sorts in similar space. Fruits are from 12 to 16 inches in length; thick through with well rounded ends. Quality, first class. **Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.40.**



Earliest of all

Other Standard Sorts

MCDONALD'S "PERFECTA" FORCING WHITE SPINE.—This, we believe, the most uniform Cucumber, in shape and dark green color now grown. Too much praise can hardly be given it whether for forcing under glass or outside growing. Market Gardeners will find this particularly desirable on account of its handsome appearance, besides holding its attractive, dark green color until maturity. **Pkt. 10c; oz. 20c; 2 oz. 35c; 1-4 lb. 60c.**

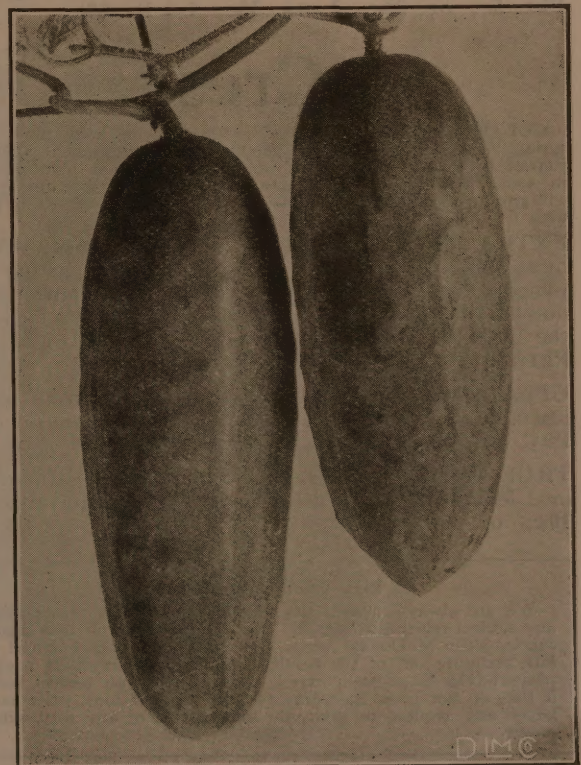
	Pkt.	Oz.	2 ozs.	1 lb.	lb.
GIANT PERA , very large; fine quality	\$0.05	\$0.15	\$0.25	\$0.40	\$1.40
NICHOL'S MEDIUM GREEN	.05	.15	.25	.40	1.25
FORDHOOK PICKLING , one of the best	.05	.10	.25	.40	1.25
CHICAGO PICKLING , very prolific sort	.05	.10		.30	1.00
WEST INDIA GHERKIN , small, oval, prickly	.05	.15	.25	.40	1.50

ROBINSON'S EARLIEST OF ALL WHITE SPINE.—Careful selection has developed a strain of White Spine Cucumber which is not only extremely early but of beautiful form and color. It is exceedingly prolific and continues so from beginning to end of the season. The quality is excellent, being crisp, brittle and devoid of the bitter taste frequently noticed in other sorts. Fruits are of a deep green color and from eight to ten inches in length. **Pkt. 10c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

EVERBEARING.—Small size, early, and highly productive. Fruits are of a rich dark green color; average from 4 to 5 inches in length; quite thick and blunt at ends. Greatly prized for pickles. Desirable on account of its ever-bearing character. **Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.25.**

PARISIAN PICKLING.—Of French origin, its fruits are slim and tender, from three to five inches long and densely covered with very fine spines. The flesh is always hard, crisp and tender, and when in pickling stage, shows practically no sign of seed. **Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.25.**

IMPROVED TELEGRAPH.—A standard English frame variety, and the hardest and most prolific of this class. The fruits measure from 20 to 25 inches in length. Not suitable for outdoor culture. **Pkt. 25c.**



Everbearing



Fordhook Famous

FROM NEW ONTARIO.

"Have used your seeds for several years past and have found them very satisfactory."
—G. CARMICHAEL, Cobalt, New Ont.



Endive, Moss Curled

Chicorée **Endive** *Endivien*

A refreshing vegetable, used mostly for salad, and as a substitute for lettuce, which it resembles. While Endive may be grown at any season, it is used mostly in late fall and early winter months.

CULTURE.—One ounce of seed will sow about 150 feet of drill. Sow in June, July and August, in drills 15 inches apart, later thinning the young plants to stand 12 inches apart in the row. When about full grown, gather the leaves and tie together at the tips for purpose of blanching.

MOSS CURLED.—The sort most generally used, growing more densely and having leaves much finer cut than the green curled sort. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

GREEN CURLED.—Dark green leaves beautifully curled, which blanch white, crisp and tender. Fine for garnishing. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

Cresson **Cress** *Kresse*

CULTURE.—Sow one ounce to 100 feet of drill. Sow thickly in spring, as soon as ground is in good working condition, in shallow drills. Repeat sowings at intervals of about two weeks as plants run rapidly to seed. Water Cress requires a stream of running water, in which it will grow without care, except at first keeping the weeds from interfering with it.

EXTRA TRIPLE CURLED (Pepper Grass).—Makes a most agreeable addition to lettuce salad, imparting a warm pungent taste; rapid growing, dwarf and compact. Should not be allowed to grow more than one or two inches above the ground. Used extensively in England and France. Pkt. 5c; oz. 10c; 1-4 lb. 25c; 1b. 75c.

UPLAND CRESS.—The leaves and their flavor somewhat resemble watercress, though this sort succeeds in dry soil. Pkt. 5c; oz. 15c; 2 ozs. 40c.

TRUE WATERCRESS.—A well-known aquatic plant, its oval leaves making a delicious and appetizing salad. Pkt. 10c; oz. 60c.

LET US HEAR FROM YOU

We are always pleased to receive letters from our customers on any subject relating to seeds. We are interested in hearing of your success with McDonald seeds, in learning that you exhibited at your fair, perhaps, and of the results. Similarly, if anything goes wrong please advise us, as every care is taken to send you perfect seeds, and if they do not grow according to your expectations, write us. It is never any trouble to give you information of any sort, within our power.

Raifort **Horse Radish** *Meer*
Sauvage *Rettig*

CULTURE.—Horse Radish produces no seed, but is grown from pieces of roots. Plant the sets or roots in rows or furrows 2 to 3 feet apart and 15 to 18 inches apart in the rows, the small end down, with the top 3 inches below the surface. The soil should be rich and thoroughly cultivated before planting. Cultivate until tops cover the ground, when their shade will keep down the weeds.

Small Roots, per dozen 30c; postpaid, 40c.

Ail **Garlic** *Knoblauch*

Garlic is the most pungent in taste and has the strongest odor of all the Onion family. It is used for flavoring soups, stews, sausage. Prepare the ground and cultivate same as onions. Price: per lb. 40c; postpaid, 50c.

Chou Rave **Kohl-Rabi** *Kohl-Rabi*

TURNIP-ROOTED CABBAGE

CULTURE.—One ounce of seed will sow a drill about 150 feet. An intermediate vegetable between the cabbage and the turnip. Sow in spring in drills 18 inches apart, and thin out to stand 10 inches in the row. In hoeing be careful not to throw the earth into the heart of the plant.

EARLY WHITE VIENNA.—This is the best variety and may be used within 3 months from date of sowing. The bulbs are of a greenish-white color, very smooth, and of finest texture and quality. Should be used before fully grown, or, when about the size of an orange. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

EARLY PURPLE VIENNA.—An early variety with a bright purple bulb. The leaf and stems are green and tinged with purple. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

Poireau **Leek** *Lauch*

CULTURE.—One ounce of seed will sow 100 feet of drill. Sow as early in spring as the ground can be worked, in drills one foot apart. When 6 or 8 inches in height, transplant into rows one foot apart and six inches apart in the row, setting plants from 3 to 4 inches deep. Draw the earth up to the stem as they grow, so as to assure well blanched and tender leeks.

GIANT CARENTAN.—A quick growing sort and very hardy. When thoroughly blanched the long thick stems are of a handsome white appearance, having a mild, agreeable flavor. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 75c.

BROAD LONDON FLAG.—Produces good sized leeks. Pkt. 5c; oz. 15c; 2 ozs. 30c; 1-4 lb. 50c.

MUSSELBURGH.—The stem is long, very thick, snow-white, sweet, tender and of excellent quality. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.



Leek, Giant Carentan

Laitue **Lettuce** Lattich

Of all salads Lettuce is the finest; nothing entirely replaces it, and it takes care of itself almost, after planting, requiring simply moist, average soil and clean cultivation. Many start it indoors, in boxes, quite successfully. In our Novelties Section you will observe a new "Salad Ice" lettuce that is unusually crisp and most desirable for salad purposes.



Salamander

CULTURE.—The quality of Lettuce depends largely upon a rapid and vigorous growth, and for this reason it requires plenty of rich, easily available nitrogenous manure and responds very quickly to small applications of nitrate of soda. For early use seed may be sown in hotbeds during February and March, or for general crop in the open ground in drills 12 inches apart, when soil is in good working condition. Thin young plants to stand 3 or 4 inches apart in the row, and while cutting for use, continue the process of thinning, so that later plants will stand from 10 to 12 inches apart. For a succession sow at intervals of from two to three weeks during the season.

BIG BOSTON.—This variety is identical in color, shape and general appearance with the famous Boston Market lettuce, but is double the size and valuable alike for forcing, or the open ground. The Big Boston is everywhere popular with market gardeners on account of producing large, solid, saleable heads at all seasons of the year. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

BLACK SEEDED SIMPSON.—Is ever popular for forcing and open ground culture. It forms no definite head, but rather a large mass of light-green leaves, blanched clearest white to the center. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

BOSTON FORCING.—A desirable sort for forcing under glass, also for early out-door planting. The heads are of medium size, compact and quite solid. Outer leaves are light green in color; the inner leaves blanched to a rich creamy white. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

DEACON.—A large, firm-heading variety; color light green outside, creamy yellow inside; of a delicious buttery quality; remains long in head without running to seed. An excellent variety. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

IN THE NORTHERN COUNTRY.

"I have found McDonald's Tested Seeds to be full of life and to produce strong vigorous plants. I consider your seeds to be the best I have ever tried for this northern country, as my garden could best testify this past season."—GODFROY GIASSON, Chailfoux, Que.

HANSON.—The ideal cabbage lettuce for out-door cultivation. The heads are of remarkably large size; outer leaves of light yellowish-green, beautifully curled and crinkled; inner portion, creamy-white, deliciously tender, crisp and sweet, and free from any trace of bitterness. Heads remain long in good table condition even after maturity. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

DENVER MARKET.—An early head lettuce, with beautiful Savoy-like leaves. Heads large and solid, of light green color. A splendid variety for either forcing or the open ground. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

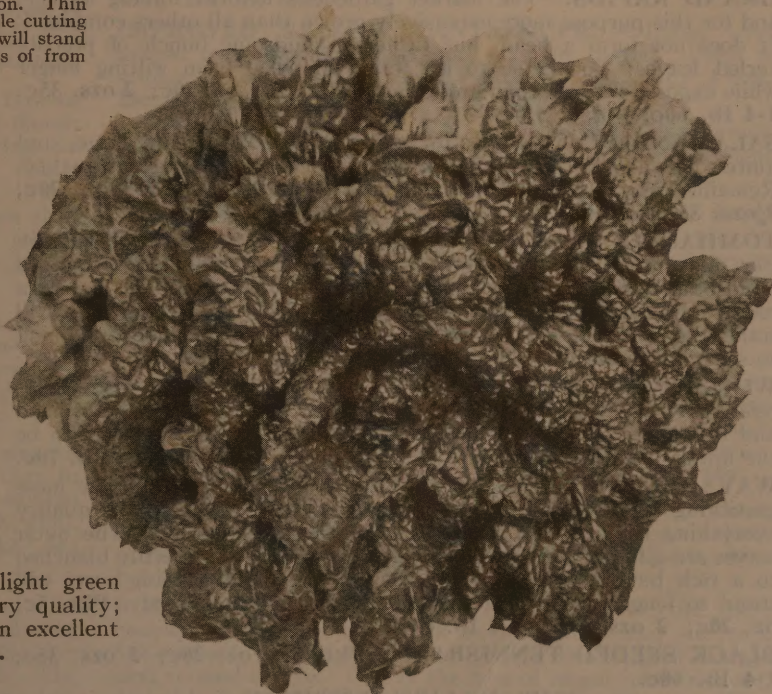
GOLDEN QUEEN.—This is an excellent forcing variety, and is liked by many gardeners who favor a golden yellow head. Medium sized, crisp and tender. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

ICEBERG.—An excellent cabbage variety. The heads are so compact and solid that they seldom go to seed. The inside is thoroughly blanched, of finest flavor, crispness is retained in hottest and driest weather. **Pkt. 5c; oz. 20c; 2oz. 35c; 1-4 lb. 60c.**

MAY KING.—A handsome, quick-growing sort, valuable for forcing and open ground culture. Heads are of medium size, six to seven inches in diameter; outer leaves of yellowish green, tinged with brown, inner portion a rich golden-yellow. **Pkt. 5c; oz. 20c; 2oz. 35c; 1-4 lb. 60c.**

NEW YORK OR WONDERFUL.—Rich deep green, blanched within. Heads are of unusual size, solid and desirable for summer, not running to seed. **Pkt. 20c.; 2oz. 40c; 1-4 lb. 70c.**

TRIANON COS.—Leaves closely overlap, providing a protection from the heat and blanching inner portion to snowy whiteness. Heads of compact upright growth, mid-ribs of leaves are large, solid, crisp. **Pkt. 20c; 2oz. 40c; 1-4 lb. 70c.**



Black Seeded Simpson



May King. A splendid variety for forcing or open ground culture

SUTTON'S FAVORITE.—A splendid heading sort of handsome appearance, and desirable for its superior crispness and delicious quality. Highly recommended for open ground culture. **Pkt. 10c; oz. 35c; 2 ozs. 60c.**

GRAND RAPIDS.—The market gardener's favorite forcing lettuce, and for this purpose more extensively grown than all others combined. It does not form a head, but rather a handsome bunch of prettily curled leaves; not liable to rot, and will keep from wilting longer while exposed for sale than any other. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c;**

SALAMANDER.—Desirable for summer use; heads are large, and quite solid; leaves thick, smooth, very tender, and of excellent quality. Remains long in head without running to seed. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

TOMHANNOCK.—A new variety and one of the most beautiful. For midsummer use it has no superior. Of upright habit, forming a handsome bunch 10 to 12 inches high; outer leaves curled, and of a reddish bronze color; inner leaves white, crisp and tender. It will stand the hot, dry weather without growing bitter, tough or running to seed. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

WHITE PARIS COS.—A favorite variety in Europe; sometimes referred to as Celery Lettuce, perhaps on account of the shape of head and brittleness of the long, white leaves. The Cos is conceded to be the finest of all lettuce. **Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 70c.**

WAYAHEAD.—This magnificent sort, while new, has given most gratifying results. The heads are firm, of large size, and the quality everything that can be desired in a butterhead lettuce. The outer leaves are a light green in color, and the inner portion prettily blanched to a rich buttery yellow. No other of the early heading sorts will stand so long in edible condition without running to seed. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

BLACK SEEDED TENNISBALL.—**Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

MR. MILLAR'S EXPERIENCE.

"I have always produced better crops of Garden Vegetables, Field Roots, etc., from your seeds than any others I have ever grown."—**DAVID MILLAR, River Desert, Que.**



Grand Rapids



Rocky Ford

Melon **Musk Melon** Melone

CULTURE.—One ounce of seed for 50 hills; 2 to 3 pounds in hills for an acre. Select a light, rich, sandy soil, and when the ground has become warm and dry, plant in hills from 4 to 6 feet apart each way, ten seeds to a hill. When plants have made second pair of leaves pull out all but three plants. A few for early use may be had by sowing in hotbeds on pieces of sod or in pots. It is a good plan to pinch off the ends of the vines after they have grown several feet for the purpose of forcing out the laterals on which the fruit is borne. Ashes, lime or even road dust is excellent to sift over the young plants when the dew is on to prevent attacks of insects. Use Slug Shot or Bug Death to kill bugs.

ROCKY FORD.—This little melon has become world famous for its sweet, luscious, melting flesh of captivating flavor. Vines are exceedingly healthy and vigorous, bearing an abundant supply of fruit during the entire season. Fruits are oval in form, finely netted and slightly ribbed. Flesh is thick, firm, yet so sweet and melting as to be eaten close to the rind. The seed cavity is small. Average weight about one and a half pounds. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

BAY VIEW.—Oblong in shape, and from 12 to 15 inches in length; vines are of strong vigorous growth and very productive. Fruits have broad heavy ribs which are well netted. Flesh is of a luscious melting green and of splendid quality. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

EMERALD GEM.—Skin, while ribbed, is generally smooth and of a deep emerald-green color. Flesh is thicker than in any other of the same size and of a beautiful suffused salmon color, ripening close to the rind, which is extremely thin. Vines are thrifty in growth and very prolific. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

EXTRA EARLY HACKENSACK.—A selection of the famous Hackensack but fully ten days earlier, and producing large, handsome melons of best quality. The fruits are nearly round, deeply ribbed, and coarsely netted. The flesh is green, slightly tinged with yellow, and of most delicious flavor. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

HACKENSACK.—An old time favorite still in popular demand. The melons grow to a large size, are round in form, heavily ribbed and netted. Flesh is thick, of light green color and excellent quality. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

IMPROVED YELLOW CANTALOUPE.—Large oval shaped fruit, slightly ribbed and coarsely netted. Flesh is salmon yellow and very sweet. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

LONG ISLAND BEAUTY.—A fine melon of the Hackensack type. Skin is densely netted; flesh green and of excellent quality. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

MONTREAL GREEN NUTMEG.—A handsome, large-fruited variety of superior quality. Melons are of rounded form, slightly flattened at the ends, with large, broad, heavy ribs; flesh thick, light green, melting, and of highest quality in both sweetness and flavor. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 75c.

OSAGE or MILLER'S CREAM.—One of the most popular melons in cultivation, and desirable for market or home garden. Fruits are of medium size, oval in form, dark green in color, slightly ribbed and handsomely netted. Flesh is rich salmon color, unusually thick, and of finest texture and quality. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.

TIP TOP.—Flesh thick, fine grained, bright salmon in color, sweet, juicy and of fine flavor. Productive and particularly valuable for market use. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 75c.

ROBINSON'S GOLD-LINED.—Slightly oval, no ribs, heavily netted. Fruits thick-meated from end to end, fine-grained, very sweet; color green, with a gold margin next to seed cavity. One of the best of recent introductions; desirable for high-class market trade. Pkt. 10c; oz. 35c; 2 ozs. 60c; 1-4 lb. \$1.00.

Melon d'eau Water Melon Wazser-Melone

CULTURE.—One ounce will plant about 30 hills; 4 to 5 pounds is required for one acre. Plant in hills as directed for Musk Melon, and treat in all respects the same, except that the hills should be from 6 to 8 feet apart.

COLE'S EARLY.—Best type for our climate. It is not only the earliest variety but also one of the most productive. Fruit is nearly round, rind thin and brittle, flesh bright red, delicate texture, sweet, juicy and delicious. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

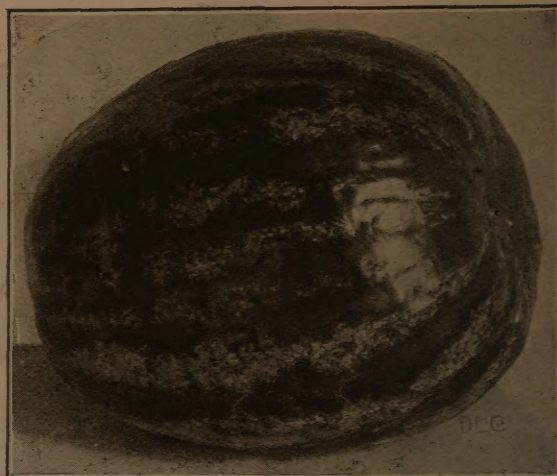
CUBAN QUEEN.—Fruits medium to large size, globular or oval; beautifully striped in dark and light green; flesh bright red; quality excellent. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

KLECKLEY SWEETS.—Large size, oblong, but somewhat tapering at ends. Skin dark green; flesh bright scarlet, sweet, sugary and possessing a peculiar honey-like flavor. Desirable for the home garden. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

MOUNTAIN SWEET.—An old time favorite preferred by many. Fruits oblong, dark green in color; rind thin; flesh red, solid and sweet. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

SEMINOLE.—Of large size, oblong in shape, flesh solid, crisp, sugary and delicious. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

PEERLESS.—One of the most handsome types. Of medium size, almost round; skin pale green, slightly mottled; flesh bright scarlet, fine-grained, solid to centre, sweet, crisp and melting. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.



Cole's Early

PHINNEY'S EARLY.—One of the earliest; vines vigorous and productive; melons medium size, oblong, smooth and marbled, with two shades of green. On account of hardy nature is adapted for sowing in northerly sections. Quality fine. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.



Mushrooms from English Milltrack Spawn

Mushroom Spawn

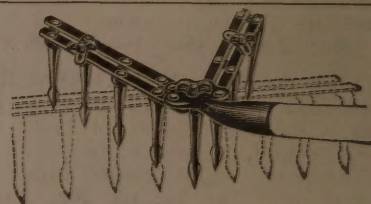
FINEST QUALITY ENGLISH MILLTRACK.—May be grown in any cellar or shed where temperature can be maintained at from 50 to 60 degrees, providing conditions of the soil are favorable as to moisture. Can be grown by planting the spawn in the open ground or in the lawn towards latter part of June, in which case Mushrooms should appear during August and September. The first requisite in preparation of a bed is to secure sufficient fresh horse manure and place in a heap under cover, allowing it to remain for a week. Then turn and mix thoroughly so as to incorporate the outside with the inside of the mass, and repeat this process every three or four days, so that every part may become equally fermented and deprived of noxious quality. If the strong smell has not subsided after third turning, repeat once more. After manure has been prepared, it is often mixed with one third of its bulk of fresh loam from a field or meadow that has not been recently manured, although many prefer to use manure alone. Either method will be found satisfactory.

A good depth for a bed is 12 inches in the back, sloping to 9 inches in front. Put down a thin layer of the compost, pounding it with the back of a spade to pack solid; repeat layers until the bed is of required thickness. When the temperature drops to about 90 degrees, break up spawn into pieces the size of a walnut, and after making holes three or four inches deep all over the bed and 12 inches each way, place a piece of spawn in each, covering with the compost. Allow the bed to remain ten or twelve days, by which time spawn will have spread throughout. Then cover the surface with two inches of fresh soil, which should be thoroughly firmed down and covered with three or four inches of hay or straw. Mushrooms will make their appearance in from four to six weeks, according to season. In gathering the crop stalks must be pulled completely out, otherwise they will rot and destroy the young brood. A good bed lasts from two to three months. Price: per brick, 20c; 3 for 50c; 1 doz. \$1.75; by mail, postpaid, 35c. per brick.

ENJOY YOUR GARDENING

By using The Pull-Easy Adjustable Garden Cultivator

It is easily adjustable, 18 inches wide when spread; 7 inches when closed up for work on narrow rows. Middle tooth can be removed so the cultivator will straddle a row of small plants, cultivating two rows at once. Handle, of white ash, is 4½ feet long. Teeth of cold pressed steel; unbreakable. Shape of teeth and way they are attached makes them penetrate ground, stirring and pulverizing it with a minimum of effort, and no downward pressure. Price, \$1.50.





McDONALD'S
"Perfecta"
Parsley

Persil **Parsley** *Petersille*

CULTURE.—One ounce will sow 150 feet drill. The seed is very slow to germinate, and usually three or four weeks elapse before the plants make an appearance. To hasten germination, soak seed a few hours in tepid water, and sow thickly in shallow drills a foot apart. Cover lightly and later, thin the plants from 5 to 6 inches apart in the row.

CHAMPION MOSS CURLED.—The leaves are beautifully crimped and curled and of attractive moss-like appearance. Magnificent as a garnish both on account of its deep green coloring and its rich mossy texture. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

HAMBURG or LARGE ROOTED PARSLEY.—Unlike the above sort, the root and not the top is the edible portion, resembles a small-sized parsnip. Very desirable as a seasoning

for soups, stews, etc. The roots may be dug late in the fall and stored in sand for winter use. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

FERN-LEAVED.—Exquisitely perfect in form and color; quite fern-like, and highly ornamental. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.

McDONALD'S PERFECTA.—The highly ornamental and beautiful appearance of McDonald's "Perfecta," makes it a most desirable type for garnishing. Leaves are a rich, dark green in color, finely cut, handsomely curled, and are deliciously aromatic and highly prized for culinary uses. Makes also a magnificent border for the flower garden. Pkt. 10c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c.

Panais **Parsnip** *Pastinake*

CULTURE.—One ounce will sow 150 feet of drill; 5 to 6 lbs. for an acre. Parsnips do best in a deep, rich, sandy soil, but will make good roots in any soil that is deep, mellow and moderately rich. In manuring the land for this crop it is important to use only manure that is well rotted, as the application of fresh manure is apt to make the roots rough and branching. As seed is slow to germinate, it should be sown as early as possible, in drills 15 to 18 inches apart, covering to a depth of one half inch. Give frequent cultivation, thinning the plants to stand from 5 to 6 inches apart.

IMPROVED HOLLOW CROWN.—This sort has been in large demand for years past and is a favorite. It is very productive; roots are well shaped, long and smooth; flesh white, tender and well flavored. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

NEW MALTESE.—A superior strain of Hollow Crown Parsnip; extensively used and liked for market use. Roots are large; skin smooth and free from small rootlets. Flesh fine-grained and rich, without any hard core. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

IMPROVED GUERNSEY.—Roots are larger and shorter than the Hollow Crown; smooth, fine-grained, easy to harvest and a heavy cropper. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

KELWAY'S "DON" PARSNIP.—A half-long sort of recent introduction, selected for handsome form, size, whiteness of skin and solidity of texture. Growers speak highly of these. Pkt. 10c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.



Improved Hollow Crown.

McDONALD'S Large Red WETHERSFIELD



ABUNDANT CROPS

OF FINE ONIONS

Ognon **Onions** Zwiebel

It is of vital importance that first-class onion seed should be obtained if the gardener would ensure a fine crop. No crop depends upon the seed more than the onion, and realizing this fact we have been especially careful to test the vitality of our seeds, so that you can expect abundant crops of well-shaped onions, free from all defects, providing soil and weather conditions are favorable and planting and cultivation are carefully looked after. Our seed produces onions that measure up to the highest standards in being solid, true to type, long keeping and of most desirable color.

CULTURE.—One ounce will sow 100 feet of drill. Five pounds per acre. The soil for onions cannot be too rich, and, however good it may be, it requires more or less manure for every crop. Sow in drills from 12 to 15 inches apart and not more than half an inch deep, keeping the soil mellow and clear of weeds.

That Extra Select Large Red Wethersfield

In every-day language it is a dandy! It makes good year after year, making all growers more enthusiastic and winning new friends each season. Bulbs are of flat type, but thick through, measuring sometimes, five inches across and weighing ten to fifteen ounces. Outer skin deep purple-red; flesh, melting white tinged with rose. Superior keeping qualities enable it to be kept well into spring months with less shrinkage than occurs in nine out of ten other onions. Ideal for market use because of its handsome shape and color as well as its size. You cannot lose if you make it your main crop. Seeds should be sown in hot-beds early in spring and transplanted, to secure finest, large onions. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.



Prizetaker Red Globe

EXTRA EARLY FLAT RED.—A medium-sized onion, fully ten days earlier than Red Wethersfield which it somewhat resembles, although of smaller size and flatter shape. It adapts itself to cool or damp, mucky soils where other varieties fail to produce full-sized onions. Pkt. 5c; oz. 25c; 2 ozs. 35c; 1-4 lb. 70c; lb. \$2.50.

PRIZETAKER RED GLOBE.—See Novelties and Specialties, page 3. **SOUTHPORT RED GLOBE.**—Onions when ripe are perfectly globe-shaped, of medium size, and a rich purplish-crimson in color which makes them very attractive. Flesh is white, tinged with purplish-pink. One of the best keepers and valuable for market use. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.

YELLOW GLOBE DANVERS.—Has been a leader for years, and remains a strong favorite with many growers. Bulb is extremely hard and solid, while its earliness, handsome appearance and sure cropping qualities, make it equally desirable for home or market garden use. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.

FLAT YELLOW DANVERS.—Quality and color same as the preceding. Grows to a good size; ripens early. Preferred to globe shaped for low lands. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.

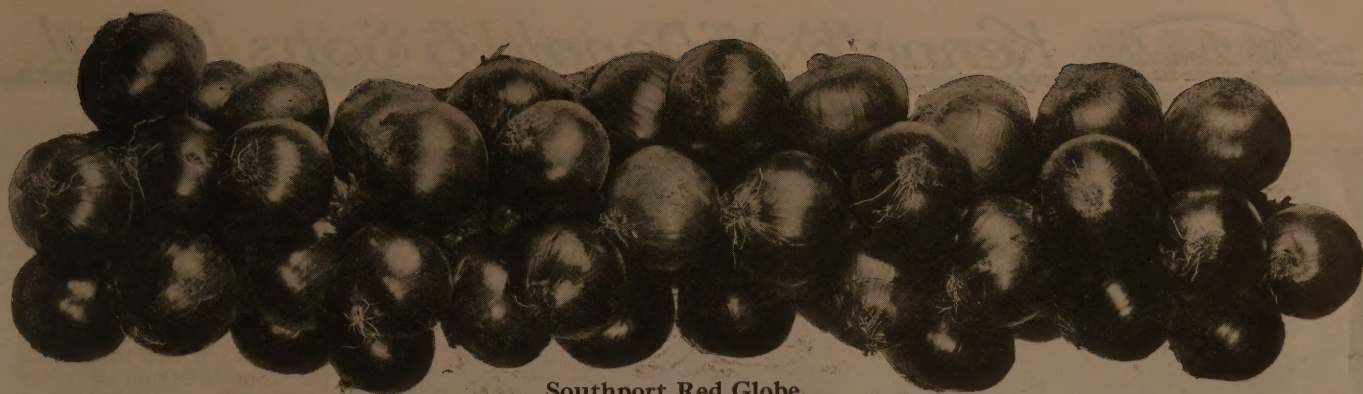
SOUTHPORT YELLOW GLOBE.—A fine globe-shaped onion, larger, lighter colored and entirely distinct from the Danvers type. Skin is of a pale straw-yellow color; flesh white, crisp, mild and fine grained. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 70c; lb. \$2.50.

GIANT PRIZETAKER.—An excellent globe-shaped onion of uniformly large size and great productiveness. Outside skin is a bright straw color; flesh white and of a mild sweet flavor. Equal in quality to the Imported Spanish Onions. Can be grown anywhere where other onions can be produced. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 70c; lb. \$2.50.

AILSA CRAIG.—A desirable sort combining all qualities of a high class onion. Skin is pale yellow and in comparison with the Yellow Globe Danvers, is said to outweigh it one to three. Bulb is extremely hard and solid to the core; flesh snow white and of excellent flavor. Start the seed in window boxes or hot-beds and transplant later when conditions are favorable to the open ground. This means extra trouble, but the resulting crop will more than pay for the effort. Pkt. 10c; oz. 50c; 2 ozs. 90c; 1-4 lb. \$1.75; lb. \$6.50.

ABOUT OUR WETHERSFIELD.

"I have grown your Select Red Wethersfield Onion for the past three years and have seen nothing to equal it in this part of the country."—ALEX. McLAUGHLIN, Cumberland, Ont.



Southport Red Globe

SOUTHPORT WHITE GLOBE.—Most symmetrical with white silvery skin; flesh, pure white, fine grained and of mild flavor. Pkt. 10c; oz. 35c; 2 ozs. 60c; 1-4 lb. \$1.10; lb. \$4.00.

MAMMOTH SILVER KING.—Large, flat onions of enormous size; skin a beautiful silver white; flesh, unusually sweet and mild in flavor. More extensively used as an early bunching sort by market gardeners than any other. Not recommended for main crop or winter use. Pkt. 10c; oz. 40c; 2 ozs. 70c; 1-4 lb. \$1.25; lb. \$4.50.

WHITE PORTUGAL or SILVERSKIN.—A flat, silvery-white onion of medium size and mild, sweet flavor. Very desirable for boiling and slicing and one of the best for the home garden. Extensively used for pickles and onion sets. When grown for pickles, the seed should be sown at the rate of twenty-five pounds per acre. Pkt. 10c; oz. 30c; 2 ozs. 50c; 1-4 lb. 90c; lb. \$3.25.

EARLY WHITE BARLETTA.—Bulbs are pure paper white. When crop is matured, the tops dry down close to the bulb, leaving the most perfect miniature onions imaginable, ranging from 1 to 1½ inches in diameter. It is the best of all onions for small pickles, and the earliest ripening sort in cultivation. If sown thickly in rows will produce small round onions the size of marbles. Pkt. 10c; oz. 35c; 2 ozs. 60c; 1-4 lb. \$1.10; lb. \$4.00.

AUSTRALIAN BROWN.—Distinct from all other onions. Bulb develops early from seed; of medium size, solid, tender, crisp and mild flavored. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.

GIANT ROCCA.—A large, globe-shaped onion, with bright brown or yellow skin. Flesh mild, sweet and tender. Pkt. 10c; oz. 40c; 2 ozs. 70c; 1-4 lb. \$1.25; lb. \$4.50.

Onion Sets

SPEEDILY PRODUCE EARLY ONIONS

Sets are planted to obtain onions earlier than they can be had from seed. Good table size onions may be had in from six to eight weeks from time of planting, and some may be had for bunching in even less time.

CULTURE.—One quart will plant about 50 feet of row. Onion Sets should be planted as early as the ground is in condition to work, in rows 12 inches apart, placing the sets 4 inches apart in the row. Keep clear of weeds by frequent hoeing.

WHITE ONION SETS.—Grown from White Portugal or Silverskin seed. Fine for early bunch onions, or if allowed to mature, will produce large onions of choice quality. Pint, 25c; quart, 40c; gallon, \$1.40; postpaid, pint, 35c; quart, 55c.

YELLOW ONION SETS.—Grown from Yellow Danvers and Strasburg seed, and will produce onions of excellent quality and good size. Pint, 25c; quart, 40c; gallon, \$1.40; postpaid, pint, 35c; quart, 55c.

RED ONION SETS.—Color, purple-red; even size. Pint, 25c; quart, 40c; gallon, \$1.40; postpaid, pint, 35c; quart, 55c.

TOP or BUTTON ONIONS.—These are produced on the top of the stalk, instead of from seed. They are about the size of acorns, which, when planted, produce large onions, maturing about the same time as the preceding sorts. Stronger in flavor than the Dutch or Bottom Sets. Pint, 30c; quart, 50c; postpaid, pint, 40c; quart, 65c.

POTATO or MULTIPLIER SETS.—Each part of the parent bulb produces a quantity of bulbs in cluster. Of mild, sweet flavor, and appreciated by many for early use in green state. Quart, 20c; gallon, 75c; postpaid, quart, 35c.



McDonald's Select Yellow Globe Danvers Onion



Pois **Peas** Erbsen

PEAS THAT YIELD HEAVILY

You have a wide range of choice in selecting your peas from the McDonald list. It has been our aim to provide for your selection a range of the finest types, representing the big yielding peas of highest quality and desirable appearance.

Instead of supplying the usual 5c. packet of Beans, Peas or Corn we have adopted for Mail Order purposes a 10c. packet which is considerably larger than the regular trade packet as sold from Commission Boxes.

CULTURE.—One quart for 100 feet of drill; 2 to 3 bushels in drills for an acre. While a light, rich soil will mature the earliest yield, a good deep loam or clay soil which has been well enriched with manure the year previous, will prove best suited for this crop. The earliest peas are mostly round and smooth-seeded, and being very hardy, should be sown as early as possible in the spring. The sweet or wrinkled varieties are more susceptible to cold, wet weather, and should not be planted until conditions of soil are favorable, otherwise they are apt to rot in the ground. In city gardens where space is limited, peas may be grown in single rows 15 inches apart, or in double rows from 6 to 8 inches apart and from 2 to 3 inches deep. The taller sorts, that is all above three feet, will do better if staked, brushed or grown on a wire trellis. For commercial crop, the drills should be 2 feet apart in the case of dwarf sorts, and the taller sorts from 3 to 4 feet apart according to variety and richness of the soil. Continue sowing for a succession every two weeks up to the end of June, then discontinuing until August first when a good crop frequently can be secured by sowing the extra-early sorts.

ALASKA.—Earliest of all blue peas; vines, from 20 to 30 inches, very productive, but not equal in sweetness to the wrinkled varieties. Pods are small but well filled with plump, dark green peas. Almost the entire crop is ready for picking at the one time. Pkt. 10c; lb. 20c; 5 lbs. 90c; postpaid, pkt. 10c; lb. 30c.

AMERICAN WONDER.—Vines from 10 to 12 inches, and literally loaded with pods containing seven or eight large peas, which are very sweet, tender and fine flavored. One of the best extra-dwarf sorts for the family garden. Seed, medium sized, much wrinkled and flattened, and pale green in color. Pkt. 10c; lb. 25c; 5 lbs. \$1.10; postpaid, pkt. 10c; lb. 35c.

MCDONALD'S EARLIEST MARKET.—A cross between American Wonder and First and Best, resulting in a compact form of the latter, the American Wonder preventing the straggling so common among stocks of early round peas. The best extra early, smooth pea for gardeners use, the pods being of

good size and well filled with round, smooth peas of excellent quality. Extreme earliness and uniformity in ripening make it invaluable. Pkt. 10c; lb. 20c; 5 lbs. 90c; postpaid, pkt. 10c; lb. 30c.

DAFFODIL.—The peas are of that desirable rich color peculiar to the Stratagem type. In season it is first early; of bushy form; height 18 inches. Very prolific and pods are larger than any of the well-known peas of the early dwarf class. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

EARLY MORN.—A pea of the Gradus type and desirable for home or market use. Pods are borne in greatest profusion and are of large handsome size, closely packed with large green peas of delicious quality. Height, 3 feet. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

LAXTONIAN.—This pea is really a dwarf Gradus, having all its quality and flavor, but growing only 16 inches high. It is a few days later than American Wonder but the dark green pods are twice as large and usually contain eight or nine peas of delicious flavor. Pkt. 10c; lb. 35c; 5 lbs. \$1.50; postpaid, pkt. 10c; lb. 45c.

WM. HURST.—A dwarf, wrinkled, marrow pea of the American Wonder type, and a good sort for the home garden. Vines are dwarf, one foot in height, bearing a profusion of pods which are of medium length, but well-filled with rich green peas of delicious quality. Pkt. 10c; lb. 25c; 5 lbs. \$1.10; postpaid, pkt. 10c; lb. 40c.



Seeds That Grow Good Crops



NOTT'S EXCELSIOR.—Pods average 3 inches in length, one-third larger than American Wonder; well filled to the square ends with peas of large size and unusually sweet flavor. Height 1½ feet. Very fine for market and unsurpassed for home use. Pkt. 10c; lb. 25c; 5 lbs. \$1.10; postpaid, pkt. 10c; lb. 35c.

GRADUS (Prosperity).—No garden pea has met with a more popular demand than this. It is an ideal pea, combining the desirable points of extreme earliness, remarkable productiveness, large size and superior quality. Vines are of vigorous growth and fairly loaded with large dark-green, pointed pods, containing an average of eight or nine light-green colored peas of luscious quality. No mistake can be made in planting Gradus. Height, 3 feet. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

SUTTON'S EXCELSIOR.—A deservedly popular sort of the dwarf wrinkled class. It is unusually hardy for a wrinkled pea, vigorous in growth and highly productive. In comparison with Nott's Excelsior, the pods and peas are of larger size, vines about the same height, but foliage of a lighter green. A desirable sort in all respects and especially valuable for the market gardener. Pkt. 10c; lb. 25c; 5 lbs. \$1.10; postpaid, pkt. 10c; lb. 35c.

LITTLE MARVEL.—A new dwarf pea of the Excelsior type. While the peas are not of largest size, measuring two and one-half inches, they are produced frequently in pairs and in enormous quantities. Each pod contains from six to seven large, deep-green peas of finest flavor and quality. Fully as early as the Excelsiors, while pods are of larger size and borne in greater profusion. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

THOMAS LAXTON.—Quite a rival of Gradus for first place in that class. Follows a few days later than the extra early smooth varieties. A luxuriant grower, producing big pods in abundance, each containing eight or more large, handsome peas of delicious quality and flavor. Height, 3 feet. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

HEROINE.—A second early sort in special demand for market use. In height, about 2½ feet, bearing a profusion of large long pointed pods, containing from seven to nine richly flavored marrow-like peas. Pkt. 10c; lb. 25c; 5 lbs. \$1.10; postpaid, pkt. 10c; lb. 35c.

TELEPHONE. — A magnificent sort; vines very strong and immensely productive, averaging from 18 to 20 pods per stalk. The pods are of large size and closely packed with

6 or 7 large, delicious peas. Vines 5 feet in height, require staking. Splendid for the home garden. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

QUITE CONTENT.—Pods are of great size, and longer than any other pea in cultivation. Vines are of strong growth and exceedingly prolific, the pods hanging mostly in pairs; height, 5 to 6 feet. Recommended as one of the finest of all late crop varieties. Pkt. 10c; lb. 40c; 5 lbs. \$1.75; postpaid, pkt. 10c; lb. 50c.

STRATAGEM.—The most popular of all late or main crop sorts. Vines, 2 feet, strong growth and large foliage; peas, dark green and unexcelled for sweetness and richness of flavor. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

CHAMPION OF ENGLAND.—Universally admitted to be one of the richest and best flavored peas grown; it is also one of the best yielding sorts. Vines grow to a height of 5 feet; pods are large and the peas tender and sweet. One of the best tall growing sorts for late use. Pkt. 10c; lb. 30c; 5 lbs. \$1.25; postpaid, pkt. 10c; lb. 40c.

Gombaud Okra or Gumbo Sarfan

One ounce will sow about 60 feet of drill. The long, tender pods of Okra are delicious when sliced and cooked in soups. While this is its chief use, it is also boiled and used in the same manner as asparagus. Pods should be gathered when young, as they are then very tender.

WHITE VELVET.—Pods round, smooth, attractive white velvet appearance, tender and of superior flavor. Plants dwarf and productive. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c.



Gradus



Daffodil



PEPPER

(See descriptions)

LARGE CHEESE, or KENTUCKY FIELD.—A desirable sort for market or family use. Fruits are of round, flattened form and about two feet through; skin, a rich creamy yellow; thick yellow flesh of excellent quality. A splendid keeper. Pkt. 5c; oz. 10c; 1-4 lb. 25c; lb. 75c.

CONNECTICUT FIELD.—A large, productive, orange-colored, field pumpkin, usually grown for stock feeding, but also good for pies. Pkt. 5c; oz. 10c; 1-4 lb. 20c; lb. 50c.

KING OF THE MAMMOTHS.—Largest of all pumpkins, frequently weighing from 100 to 200 pounds. Popular sort for stock feeding and desirable for exhibition purposes. Skin a deep orange-yellow in color; flesh, very thick, fine grained, sweet and bright yellow in color. Good for pies; contains few seeds. Pkt. 10c; oz. 15c; 1-4 lb. 40c; lb. \$1.50.

JAPANESE PIE.—A distinct variety of Japanese origin; flesh thick, fine grained, dry and sweet; productive and very desirable for cooking and pies. Pkt. 5c; oz. 10c; 1-4 lb. 30c; lb. 90c.

WINTER LUXURY.—Fine pie pumpkin. Small, round, about 10 inches in diameter; golden-russet, finely netted; very productive; excellent keeper. Pkt. 5c; oz. 10c; 1-4 lb. 30c; lb. \$1.00.

QUAKER PIE.—Pie pumpkin, fine grained, excellent flavor, not stringy, oval, creamy yellow both inside and out. Pkt. 5c; oz. 10c; 1-4 lb. 30c; lb. \$1.00.

Pfeffer Pepper Piment

CULTURE.—One ounce of seed will produce about 1,500 plants. Peppers require a light rich soil and a warm situation. Sow in hotbeds, pots or boxes about April 1st, and set out into the open ground when plants are 3 inches high to stand 2½ feet apart each way. Cultivate frequently throughout the season to keep the soil mellow and free from weeds.

CHILI (No. 2).—Produces an abundance of small, bright red peppers about 2 inches long and 1 inch in diameter, tapering to a sharp point. Used principally for seasoning and the making of chili sauce. Pkt. 5c; oz. 40c.

CHINESE GIANT.—The largest and finest of all peppers. Fruits average 4 inches in diameter at the top; divided into four or more ridges; color, a beautiful, brilliant

scarlet. Flesh is very thick and exceedingly mild, having none of the pungency of the older varieties. Plant attains a height of two feet; of strong, vigorous growth, very productive. Ripens gigantic fruits about same time as Ruby King, which sort is but half the size. Always commands the highest price for market use. Pkt. 10c; oz. 75c.

NEAPOLITAN (No. 1).—The earliest large red pepper. Flesh is thick-meated, bright red and unusually mild in flavor. Fruits measure from 4 to 5 inches in length and from 1½ to 2 inches in diameter. The plants are of vigorous growth and remarkably productive, single specimens frequently carrying from 35 to 50 fruits at the one time. Pkt. 10c; oz. 60c.

RUBY KING (No. 4).—An old standard, and to-day more extensively cultivated than any other sort. Plants attain a height of 2 feet, and are vigorous, compact and highly productive. Fruits are a ruby-red color; flesh exceedingly thick, sweet and mild. Pkt. 5c; oz. 50c.

LARGE BELL or BULL NOSE (No. 6).—Fruit large, round and blocky, and about three inches long and two inches thick. Color a deep green when the fruit is young, but when fully ripened a rich, glossy blood-red. Pkt. 5c; oz. 40c.

SQUASH or TOMATO (No. 5).—Preferred by many for private or family use. Color, bright red when ripe. Pkt. 5c; oz. 40c.

LONG RED CAYENNE (No. 3).—Extensively used for pickling; pods are about 4 inches in length, cone-shaped and scarlet-red when ripe. Pkt. 5c; oz. 40c.

Poitiron Pumpkin Kuberis

CULTURE.—One ounce will plant from 25 to 50 hills according to variety. Sow seed in good soil any time after danger from frost, in hills 8 feet apart each way, or with corn every fourth hill. Always avoid planting near other vine crops, as they will likely hybridize and damage the crop.



Large Cheese



Pioneer Pride

Pomme de Terre **Potatoes** *Kartoffel*

One peck will plant about 100 feet of row; 8 to 10 bushels for an acre.

If there is one vegetable Canadians can produce better than another it is the potato. We have realized this, and for many years have been developing our seed by annual supervision of growth, and careful selection, with the result that we offer to-day varieties that have stood the most critical tests. Potatoes for the market must be uniformly large, of elegant appearance, long keeping, and of finest table quality. Such you will find those produced from our seed, which is vigorous, **free from scab and all disease**, and capable of yielding heavy hills of the finest potatoes. It is needless to say that these good points which go to make a first-class potato for the market are quite as desirable in the potato for home use. So whether you are a grower for others, or simply want to supply your own needs, we can offer you seed that will prove eminently satisfactory.

Prices quoted are ex-warehouse Ottawa, and include sacks.

Shipment will be made May 1st, conditions of weather permitting, unless you give us instructions to the contrary.

PIONEER PRIDE—THE KING OF ALL POTATOES.

Think of a yield of 500 bushels to the acre! That's what Mr. Fred Fawcett, Sackville, N.B. was able to harvest in the fields planted with this second early Pioneer Pride! Do you wonder that it should be considered the leading potato! An ideal dry and mealy tuber, uniformly large, having few eyes, and being of excellent appearance and finest culinary quality, it cannot help being an all round favorite. Be sure you plant it this season. It will surprise and gratify you. **Peck 90c; bush. \$2.75; bag \$4.00.**

EXTRA EARLY OHIO.—Largely used by market gardeners and growers everywhere on account of its extreme earliness, and because of its mealy nature and fitness for use before fully ripe. Tubers are short, thick, round oblong and dull red in color; flesh solid and fine flavored. Our stock of this variety is the earliest, purest and handsomest. With heavy manuring and good culture, a large and prolific crop can be expected. **Peck 75c; bush. \$2.50; bag \$3.50.**

ROCHESTER ROSE.—Resembles the Early Rose so closely that it is frequently difficult to tell them apart. While fully as early, it is a much better yielder, the tubers being of larger size and a greater number set to the hill. If a red potato is preferred, this will be found one of the most profitable varieties. Recommended by Experimental Farm, Ottawa. **Peck 75c; bush. \$2.50; bag \$3.50.**

CARMAN No. 1.—A second-early variety; skin white and finely netted; eyes few and mostly even with surface. Oval

or oblong-oval, smooth, handsome and of extra table quality. **Peck 75c; bush. \$2.50; bag \$3.50.**

IRISH COBBLER.—A chunky white potato of splendid quality. Skin slightly netted; eyes strong and well developed; flesh pure white and of finest quality, always cooking dry and mealy. It matures good sized potatoes seven weeks from planting, and produces very few, if any, small tubers. Its strong growth, earliness, uniformity, large yield, quality and appearance, make this potato a staunch favorite. **Peck 75c; bush. \$2.50; bag \$3.50.**

GREEN MOUNTAIN.—Popular late crop variety, and undoubtedly one of the most profitable to plant for main crop. Skin is white; form flat and oval, very smooth, with few, shallow eyes. Its adaptability to all soils, combined with vigorous growth, great productiveness and unequalled quality should commend it to all growers. **Peck 75c; bush. \$2.50; bag \$3.50.**

VERMONT GOLD COIN.—This excellent main crop potato is one of the heaviest yielding varieties in all parts of Canada. Tubers are slightly oblong, somewhat broad and thick through; flesh white and of fine texture, skin thick and smooth with only a sufficient russet tint to distinguish it from the white varieties; eyes very shallow, almost level with surface. Its splendid cropping record, good culinary qualities and handsome appearance make it the favorite for main crop with many growers. **Peck 75c; bush. \$2.50; bag \$3.50.**

Radis et Rave **Radish** Rettig

CULTURE.—One ounce will sow 100 feet of drill; 8 to 10 pounds for an acre. Radishes delight in light, rich, mellow soil, and to be crisp and tender must make rapid growth. They reach an edible condition in from three to five weeks. For a succession, sow at intervals of two weeks until midsummer. Sow in drills 1 foot apart, and thin to 2 or 3 inches apart in the rows.

EARLIEST SCARLET FORCING.—Earliest of all red radishes; ready for use within three weeks. Roots small, globular shape, small tops; skin, a bright scarlet; flesh pure white, crisp, tender. Desirable for growing under glass. **Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.00.**

EMDRUP FORCING.—Ideal for hotbed growth, rose colored, white tipped. Remains long without becoming spongy or cracking. **Pkt. 10c; oz. 20c.**

RAPID FORCING.—In extensive demand among Market Gardeners as an extra early selection of the popular Scarlet Turnip, White Tipped variety. Owing to its quick growth, smallness of foliage, splendid quality and appearance, it has become a favorite for growing under glass. **Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.00.**

CRIMSON SPARKLER.—Roots are small, nearly round, tops small; eminently satisfactory as a forcing variety. The flesh is melting-white, crisp and very tender. Desirable also for early out-door planting. **Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c.**

VICK'S SCARLET GLOBE.—An excellent sort for either forcing or the open ground. Roots oval, rich scarlet; flesh, crisp, tender, juicy and mild. Ready for table use quite as early as Non Plus Ultra, although of much larger size when fully matured. **Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.00.**

SCARLET TURNIP, WHITE TIPPED.—Valuable for out-door cultivation, and for this purpose more extensively used than any other. Roots are bright scarlet in color with a clearly defined white tip. A splendid variety for the table on account of fine quality and tempting appearance. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

EARLY WHITE TURNIP.—A handsome white-skinned sort of rapid growth. Flesh is transparent white, sweet, juicy and tender. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

FRENCH BREAKFAST.—Medium size, olive shaped, small top; quick growth; beautiful scarlet shading to white. Excellent for family use. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

GIANT BUTTER RADISH.—This new globular radish is of a bright crimson color. It is from two to three times the size of Non Plus Ultra, and can be used within 25 days from date of sowing. Sparkling white, tender, juicy and delicious. **Pkt. 10c; oz. 25c; 2 ozs. 40c; 1-4 lb. 70c.**

SCARLET OLIVE.—A useful variety for forcing or open ground. Ready for use in 25 days. Rich scarlet; flesh crisp and tender. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

WHITE OLIVE SHAPED.—Like the preceding in shape, but pure white in color; similar in quality. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

IMPROVED CHARTIER.—One of the best long sorts for outdoor culture; very attractive; color bright salmon scarlet, shading to white; very crisp, tender and mild. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

LONG SCARLET SHORT-TOP.—Popular long radish for market use; roots, six inches in length growing about one-third above ground. Quality of the finest; firm, brittle and very tender. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

WHITE "ICICLE."—The name is derived from the almost transparent white-

ness of the root. It is one of the best summer radishes, and grows to a length of 5 inches. Flesh is fine grained, crisp and brittle, and retains this quality until fully matured. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

LONG WHITE VIENNA (Lady Finger).—Skin and flesh, pure white; roots of slender tapering form; quick growth, and averaging from 6 to 7 inches; quality, first class. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

Winter Radishes

CULTURE.—Sow about same time as white turnips, in drills 18 inches apart. Give frequent cultivation; thin from 4 to 6 inches apart, according to size of variety. Take up before severe frost, pack in sand and store in a cool cellar.

ROSE CHINA WINTER.—A favorite sort, with rose-colored skin. It is a large, fine-shaped radish, growing partly above ground, the portion above being darker than the rest. Flesh pure white; flavor mild or slightly pungent. A splendid keeper. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

ROUND BLACK SPANISH.—A large, round, black-skinned radish, with firm, white flesh of pungent flavor. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**

LONG BLACK SPANISH.—Roots oblong, black, of very large size; flesh white and firm. **Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 80c.**



"Iceicle"



Rhubarbe **Rhubarb** Rhabarber

CULTURE.—One ounce will produce about 400 plants. Rhubarb does best in a rich deep sandy loam; the richer its condition and the deeper it is trenched the better. Sow the seed in drills one foot apart and about one inch deep, thinning out the young plants to stand six or eight inches apart in the row. The following spring, transplant into well prepared soil, so that plants will stand 3 feet apart each way. The plants are easily grown from seed but the stalks should not be used until after the second year, so as to allow a strong development of the roots.

JOHNSTON'S ST. MARTIN.—One of the earliest. Grows to large size; color, delicate pink; quality, very juicy, sweet and pungent. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 75c.

MYATT'S VICTORIA.—A popular late sort. Large, thick, red-stalked. Pkt. 5c; oz. 25c; 2 ozs. 40c; 1-4 lb. 75c.

RHUBARB ROOTS.—Large strong Roots, by express or freight, 15c. each; \$1.50 per doz.

Salsifis **Salsify** Hafer Wurzel

CULTURE.—One ounce will sow about 60 feet of drill. Salsify is a most nutritious and delicious vegetable, and is one that should be more generally cultivated. It succeeds best in light, well enriched mellow soil. Sow early in the spring, in drills from 12 to 15 inches apart, one inch deep, and thin to 6 inches apart in the row. Cultivate same as carrots or parsnips.

MAMMOTH SANDWICH ISLANDS.—This variety grows to a large size, and resembles a small-sized parsnip. It is very mild and possesses a delicate oyster flavor. The largest and most profitable sort to grow. Pkt. 5c; oz. 25c; 2 ozs. 45c; 1-4 lb. 80c.



Spinach—Victoria

Epinaid **Spinach** Spinat

CULTURE.—One ounce will sow 100 feet of drill; 10 to 12 lbs. for an acre. Spinach is used extensively as "greens" for boiling, and is highly esteemed for this purpose. A quick development of the plant is necessary to assure best results, therefore, the richer the soil the better will be the spinach. Sow in drills from 12 to 15 inches apart, covering the seed to a depth of one inch. A succession may be obtained by sowing at intervals of from two to three weeks from April to July.

BLOOMSDALE, or Savoy Leaved.—Plant upright growth, with dark, green, glossy leaves of medium size, pointed but broad and crumpled or blistered like Savoy cabbage. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

BROAD FLANDERS.—Probably the most vigorous and strongest growing of all sorts. Leaves are nearly round, uniformly deep green, thick and somewhat crimped in the centre. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

LONG STANDING.—Of quick growth; remains fit longer than others. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

THICK-LEAVED ROUND.—Of rapid growth; thick, dark green, slightly crumpled leaf. Pkg. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

VICTORIA.—This is the leader among market gardeners, and is readily distinguished by its very dark green, Savoy-like leaves. It is also remarkable for its long-standing qualities, retaining its fine succulent qualities for fully two weeks after most other varieties have bolted to seed. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

PRICKLY or WINTER.—Extremely hardy; withstands the severest weather with slight protection. Seed prickly; leaves oblong or arrow-shaped. Generally planted in fall but good for spring sowing. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 35c; 1b. \$1.00.

NEW ZEALAND.—Spinach will not endure hot sun without running to seed. This sort, while not a Spinach of the ordinary type, offers an excellent substitute. Plant is of branching habit, 18 inches high; stems and leaves soft, thick, fleshy, and of a glaucous or crystalline appearance. Started early in the spring, will resist heat and drought. Branches and leaves can be gathered at any time. Sow in drills from 18 to 24 inches apart. Pkt. 5c; oz. 15c; 2 ozs. 20c; 1-4 lb. 30c; 1b. 90c.



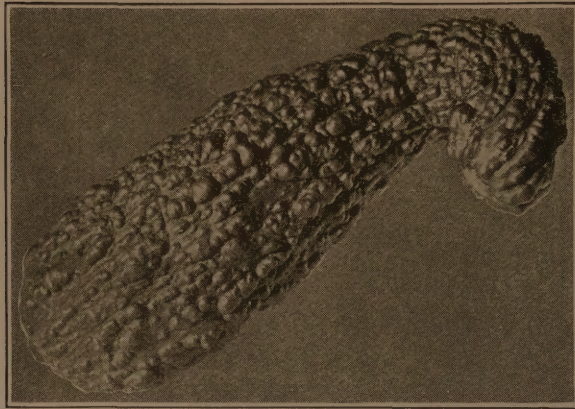
SWISS
Chard

Swiss Chard

Greatly prized by those who have grown it. Large, tender savoy-like leaves; cut when six to ten inches high, make a fine dish when served like Spinach; or later, large stalks, as thick as Rhubarb, are delicious prepared like Asparagus. Requires little care and will yield continuous crop July to November.

Sow early in Spring in rows sixteen inches apart and thin plants to stand six to eight inches apart. Cultivation will increase the qualities of the leaves.

GIANT LUCULLUS.—The largest variety, leaves crumpled, similar to savoy-leaved Spinach, with thick, light colored mid-ribs, tender and very fine flavor. Pkg. 5c; oz. 15c; 1-4 lb. 50c.



Giant Summer Crookneck

ENGLISH VEGETABLE MARROW.—Similar in shape and quality to the preceding sort but of shorter average length and greenish-yellow in color, later changing to a creamy-white. This is of trailing habit and produces a succession of fruits through the entire season. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.

MAMMOTH WHITE BUSH.—A selection from the White Bush Scalloped, but larger, 12 to 15 inches across; of uniform shape and creamy white color. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.20.

GOLDEN CUSTARD BUSH.—A valuable scalloped sort of the Patty Pan type. Skin is a deep orange; flesh pale yellow and of good quality. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.20.

Fall and Winter Varieties

BOSTON MARROW.—Desirable for fall and winter use; shape similar to Hubbard. When ripe the skin is golden orange, slightly shaded with cream; flesh, rich salmon yellow, fine grained and of splendid quality. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.20.

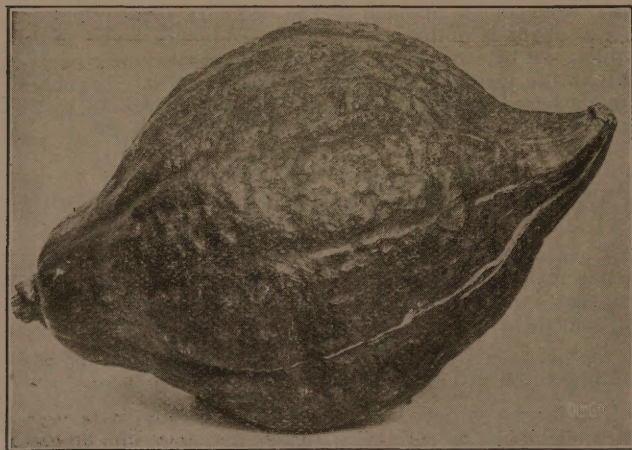
DELICIOUS.—Probably the sweetest and finest flavored of all winter squash. Fruits are dark green or bluish-green in color. In size, it closely resembles the original Hubbard, varying in weight from 5 to 10 pounds. In thickness of flesh it surpasses most varieties. Color is dark orange. For table use it is super-excellent, being fine, compact of grain, dry, sweet and rich in flavor. Pkt. 5c; oz. 20c; 2 ozs. 30c; 1-4 lb. 50c; lb. \$1.50.

ESSEX HYBRID.—Fruits are round, ribbed and flattened at the ends; color, deep orange. Flesh is thick, sweet, fine-grained and highly flavored. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.20.

GOLDEN HUBBARD.—While somewhat earlier than the famous Hubbard, it is similar in size and form. The shell is hard, moderately warted, and of a beautiful orange red. Flesh is deep orange in color, fine grained, dry and of excellent cooking quality. Pkt. 5c; oz. 20c; 2 ozs. 30c; 1-4 lb. 50c; lb. \$1.50.

HUBBARD.—One of the best winter squashes. Flesh bright orange yellow, fine grained, sweet and richly flavored. Keeping qualities unsurpassed. Pkt. 5c; oz. 20c; 2 ozs. 30c; 1-4 lb. 50c; lb. \$1.50.

CHICAGO or WARTED HUBBARD.—Resembles the original Hubbard, except that it is larger, a deeper green in color and shows greater development of the rough or warted surface. Pkt. 5c; oz. 20c; 2 ozs. 30c; 1-4 lb. 50c; lb. \$1.50.



Hubbard

Courge Squash Kurbiss

CULTURE.—Summer varieties, one ounce to 50 hills; Fall and Winter sorts, one ounce to 20 hills. The Squash is a voracious feeder and for best results requires a rich soil which has been deeply trenched and well incorporated with rotted manure. When the soil has become warm and weather conditions settled, plant bush varieties into hills 4 feet apart, and running sorts, from 6 to 8 feet apart each way. Eight to ten seeds should be planted to each hill; after attaining rough leaves and danger from bugs is over, thin out, leaving from two to three of the strongest plants.

GIANT SUMMER CROOKNECK.—Fully twice as large as the original Crookneck, more warty and several days earlier. O dwarf, bushy habit and exceedingly productive. Skin bright yellow; flesh greenish yellow; cooks quite dry and possesses a most agreeable flavor. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.20.

LONG WHITE BUSH (Vegetable Marrow).—A favorite English vegetable, measuring from 14 to 20 inches in length and from 4 to 6 inches in diameter. Skin smooth and creamy white. Should be used before fully grown, when flesh is tender and of delicious quality. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.



Long White Bush Marrow

MAMMOTH CHILI.—"Jumbo" of all squashes. Skin rich orange yellow, smooth, with wide fissures. Flesh thick, fine grained and sweet. Profitable for stock-feeding, frequently weighing 200 lbs. Keeps well. Pkt. 5c; oz. 20c; 2 ozs. 35c; 1-4 lb. 60c; lb. \$2.25.

Three Curious Vegetable Novelties

SERPENT or SNAKE CUCUMBER.—A peculiarly twisted type which grows sometimes several feet in length. Pkt. 5c; 1-2 oz. 20c; oz. 35c.

MANGO MELON or VEGETABLE PEACH.—Resembles orange in shape and size. Rich, golden-yellow, with snow-white flesh. When stuffed they make excellent mangoes and are splendid for preserving. Also used in pies and sweet pickles. Pkt. 10c; 1-2 oz. 20c; oz. 35c.

GARDEN LEMON.—Of sweet melon flavor, but short, nearly round, and almost the color of a lemon, having yellow and green markings. Flesh tender and agreeable, pulp being about half an inch thick. Makes excellent preserves. Pkt. 10c; 1-2 oz. 20c; oz. 35c.

Navet **Turnip** Steckrube

MCDONALD'S FINE TABLE SORTS

CULTURE.—One ounce will sow 150 feet of drill; 1 to 2 lbs. per acre. Turnips do best in a rich, sandy soil. Commence sowing the early varieties as soon as the ground can be worked, in drills from 12 to 15 inches apart. Later when plants are sufficiently strong to resist attack of insects, thin out to stand from 6 to 8 inches apart in the row.

EXTRA EARLY PURPLE TOP MILAN.—Earliest of all turnips and a splendid variety. Bulbs are of a distinct flattish type, medium size, very smooth, white under the ground and a beautiful purple-red above. Flesh is of finest quality, sweet, mild and tender. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.50.

EXTRA EARLY WHITE MILAN.—Similar to Purple-Top Milan, except that skin is a pure white all over. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1-4 lb. 40c; lb. \$1.50.

RED TOP STRAP LEAF.—Another quick growing sort. While extensively grown for stock feeding, it is of particularly fine table quality if used when roots have attained a diameter of from two to three inches. It is round and flat, white on the bottom and a reddish purple above ground. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 20c; lb. 50c.

PURPLE TOP WHITE GLOBE.—A handsome globular root and one of the best for early market use. Will grow to a larger size than any of the other early sorts, but its finest table quality is attained at a diameter of about three inches. Roots are purple or dark red above ground, white below. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 20c; lb. 50c.

WHITE EGG.—A quick-growing egg-shaped variety, perfectly smooth and pure white. Flesh firm, fine grained and very mild. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 75c.

WHITE SIX WEEKS.—An early, smooth, white turnip of handsome form. Flesh hard, solid, fine-grained, choicest quality. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 75c.



Purple Top White Globe.



Turnip—Extra Early White Milan.

DANISH QUEEN.—While we list this chiefly as a stock feeding sort, it has become so popular for market use on account of its very superior cooking qualities, combined with great productiveness, that we now feel justified in

listing it as one of the very best swedes for market trade. The lower portion of the root is yellow gradually shading to a rich violet towards the top. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 20c; lb. 60c.

EARLY SNOWBALL (White Stone).—A globe-shaped variety with short top and single tap root. Flesh snowy white, solid, and of mild flavor. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 75c.

GOLDEN BALL or ORANGE JELLY.—A distinct variety of very fine texture, and most delicious of the yellow-fleshed sorts. Of medium size, with small tap roots; a rapid grower, maturing early, and keeping well. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 75c.

MCDONALD'S PERFECTA.—A new purple-top swede which is early and of remarkably quick growth. Flesh of finest texture, very sweet and of excellent cooking quality. The best of all swedes. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 25c; lb. 75c.

LAING'S IMPROVED.—While not of large size, it is very desirable and highly recommended for garden cultivation. Pkt. 5c; oz. 10c; 2 ozs. 15c; 1-4 lb. 20c; lb. 60c.

Tobacco

CULTURE.—One ounce of seed will produce plants for one acre. The seed should be sown in a hot-bed or in the open ground after danger from frost. A good plan is to burn a quantity of brush and rubbish in the spring on the ground intended for the seed bed; then dig and thoroughly pulverize the earth, mixing with the ashes, after which the seed may be sown and covered very lightly. When the plants are about 6 inches high transplant into rows 3½ feet apart and 3 feet between the plants, and cultivate thoroughly.

BIG HAVANA.—One of the earliest to mature and ripen; a large long leaf. Pkt. 10c; 1-2 oz. 30c; oz. 50c.

CANELLE or QUESNEL.—A small variety extensively grown in the Province of Quebec. Pkt. 10c; 1-2 oz. 35c; oz. 60c.

COMSTOCK SPANISH.—Also known as Zimmer's Spanish; leaves large and of silky texture. More extensively grown than any other in the Northern States. Pkt. 10c; 1-2 oz. 30c; oz. 50c.

CONNECTICUT SEED LEAF.—Very hardy and particularly adapted to northern sections; leaves of medium size. Pkt. 5c; 1-2 oz. 25c; oz. 40c.

GENERAL GRANT.—One of the earliest sorts; produces a leaf 44 inches long and of proportionate breadth. Pkt. 10c; 1-2 oz. 40c; oz. 75c.

IMPROVED WHITE BURLEY.—One of the very best sorts for general cultivation. Extensively used for manufacturing purposes. Pkt. 10c; 1-2 oz. 30c; oz. 50c.



Bonny Best

Tomate **Tomato** *Liebesopfel*

CONSISTENT PRODUCERS

Luscious tomatoes, meaty, firm, smooth, rich in color, are produced consistently, year after year by McDonald's Tested Seeds as listed below. The vines are vigorous and thrifty and yield abundantly.

CULTURE.—Sow seed anytime during March or first of April in hotbed, greenhouse, or box in warm, sunny window. Plants should be transplanted after attaining second leaves, and again when too crowded. In this way they will become more sturdy and branching. After danger from frost and when plants are well hardened by exposure to outside air, set into the open ground, allowing 3 to 4 feet each way between plants. Water freely at time of transplanting, and shelter from sun until well established.

ACME, Improved.—A superior round fruited variety of purplish-pink color. Vines are hardy and immensely productive, fruits hanging in clusters of four and five. No better variety for market gardeners who want an early purple fruited sort. **Pkt. 5c; oz. 30c; 2 oz. 55c; 1-4 lb. \$1.00.**

BEAUTY.—One of the best in cultivation. Vines are of strong vigorous growth, fruits borne in clusters of from four to six large, smooth tomatoes of a rich glossy-crimson with purplish tinge. Highly productive and ripens evenly to the stem without a crack. **Pkt. 5c; oz. 30c; 2 oz. 55c; 1-4 lb. \$1.00.**

BONNY BEST.—An extra early scarlet fruited variety, a week earlier than Chalk's Early Jewel which it otherwise much resembles. A strong grower and bountiful yielder. Fruits are even in size, smooth, solid and ripen evenly all over. Splendid for market or home garden. **Pkt. 5c; oz. 35c; 2 oz. 65c; 1-4 lb. \$1.20.**

CHALK'S EARLY JEWEL.—Follows Spark's Earliana within a week or ten days. Is a heavier cropper and the largest, smoothest and finest flavored extra early bright scarlet tomato now offered. Vines are vigorous and produce fruits continuously through the season. Flesh is solid, with comparatively few seeds, ripening right up to the stem, without any cracks or green core. Eminently desirable for market use. **Pkt. 5c; oz. 35c; 2 ozs. 65c; 1-4 lb. \$1.20.**



Seeds That Grow Good Crops



DWARF CHAMPION.—This variety owes its popularity to its peculiar habit of growing. Not only is it dwarf and compact, but the stem, being thick, stiff and short jointed, is almost self-supporting when laden with fruit. It is early and of a purplish-pink color; smooth, symmetrical, solid and of fine quality. The best variety to grow plants for sale, owing to their stocky growth. Pkt. 5c; oz. 30c; 2 ozs. 55c; 1-4 lb. \$1.00.

SPARK'S EARLIANA.—Probably no early tomato has attracted so much attention. Not only extremely early, but remarkable for its large size, handsome shape and bright red color. Vines are compact in growth, with short, close-jointed branches. The best extra early tomato so far produced. Pkt. 5c; oz. 35c; 2 ozs. 65c; 1-4 lb. \$1.00.

IMPERIAL.—An early sort of strong growth and prolific character. Fruits of good size, very smooth and solid; color purplish-pink. Pkt. 5c; oz. 30c; 2 ozs. 55c; 1-4 lb. \$1.00.

JUNE PINK.—Earliest pink tomato; similar in form and growth to the Earliana. Might be described as a pink Earliana. Excellent for market gardeners who want a pink tomato. Fruits are of good size and fine quality ripening evenly, permitting the crop to be gathered in a short time. Pkt. 5c; oz. 35c; 2 ozs. 65c; 1-4 lb. \$1.20.

MATCHLESS.—Of strong, vigorous growth, foliage dark, rich green. Fruit, entirely free from core, a rich cardinal red; of largest size and not liable to crack in wet weather. Flesh is so firm that ripe fruit picked from the vine will keep in marketable condition for two weeks. Pkt. 5c; oz. 35c; 2 ozs. 65c; 1-4 lb. \$1.20.

NEW DWARF STONE.—Resembles Dwarf Champion in habit of growth, but stronger and more erect. Fruit solid, with good skin; ripens evenly; excellent flavor. Resembles Livingston's Stone in its bright red color and shape, and is almost as large. Pkt. 5c; oz. 35c; 2 ozs. 65c; 1-4 lb. \$1.20.

PARAGON.—An immense cropper. Flesh solid, well colored and flavored. Ripens between the early and late varieties, grows vigorously, and no variety holds its size better late in the season. Color, glossy deep red. Pkt. 5c; oz. 30c; 2 ozs. 55c; 1-4 lb. \$1.00.

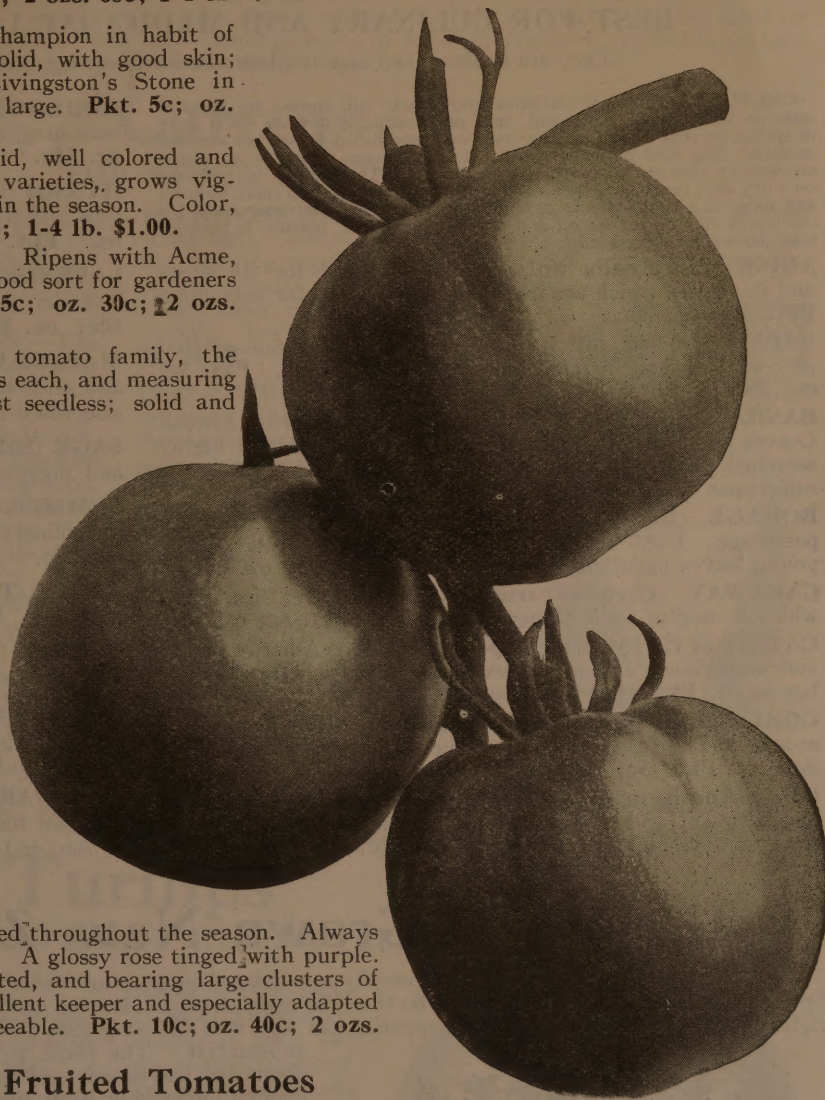
PERFECTION.—A smooth, blood red tomato. Ripens with Acme, and a week or ten days earlier than Stone. A good sort for gardeners and canners who require a red tomato. Pkt. 5c; oz. 30c; 2 ozs. 55c; 1-4 lb. \$1.00.

PONDEROSA.—Largest and heaviest of the tomato family, the fruits frequently weighing more than two pounds each, and measuring in circumference from 15 to 18 inches. Almost seedless; solid and meaty; a handsome crimson in color. A shy seeder, and for this reason always higher in price than the average variety. Pkt. 10c; oz. 40c; 2 ozs. 75c; 1-4 lb. \$1.40.

RED ROCK.—(New).—Excellent for market gardeners on account of its desirable shape, superior quality and great productiveness. Is solid, smooth, never cracks, and of a very red color. Fruits average eight to nine ounces, and are in clusters of from four to six. Pkt. 5c; oz. 35c; 2 ozs. 65c; 1-4 lb. \$1.20.

STONE.—Best all-round variety where earliness is not important. Large, exceedingly solid and heavy. Deep red, very smooth, ripening evenly to the stem, without a crack. Not subject to rot; vines and foliage rank and robust. Pkt. 5c; oz. 30c; 2 ozs. 55c; 1-4 lb. \$1.

LIVINGSTON'S GLOBE.—In shape distinct from other sorts, being handsome globe, which permits of a greater number of slices than is possible with any of the flat varieties. Among the first to ripen; fruits are large and maintained throughout the season. Always firm and has few seeds, especially in early fruits. A glossy rose tinged with purple. Remarkably productive, plant being close jointed, and bearing large clusters of from three to five, which ripen evenly. An excellent keeper and especially adapted to slicing, as the flavor is very delicate and agreeable. Pkt. 10c; oz. 40c; 2 ozs. 75c; 1-4 lb. \$1.40.



Small Fruited Tomatoes

EXCELLENT FOR PRESERVES, PICKLES AND PIES

Livingston's Globe

STRAWBERRY. (Winter Cherry or Husk Tomato).—A small sized fruit grown within a husk. Is valuable for preserving, making into pies, or for eating from the hand. Pkt. 5c; oz. 50c.

YELLOW PLUM.—Fruits are plum-shaped, two inches in length and one in diameter. Color, bright lemon-yellow, solid and of fine flavor. Much esteemed for preserving. Pkt. 5c; oz. 40c.

RED PLUM.—Similar to preceding sort, but of bright red color. Pkt. 5c; oz. 40c.

RED CURRANT—Pkt. 5c

RED CHERRY—Pkt. 5c

RED PEAR-SHAPE—Pkt 5c

YELLOW PEAR-SHAPE—Pkt. 5c

YELLOW CHERRY—Pkt. 5c

Prices of above Small-Fruited Tomatoes—1-2 oz. 20c; oz. 30; 1-4 lb. 85c; 1b. \$3.00.

Mixed Small Tomatoes—Above 6 sorts. Pkt. 10c.



Strawberry or Husk



Herbs

BEST FOR CULINARY AND MEDICINAL USE WHEN HOME-GROWN

They are easily grown and are desirable for flavoring, perfuming and medicinal purposes.

CULTURE.—Perennial varieties and nearly all annual or summer sorts do best in cool, moist soil, seed germinating best when sown early in spring, so that plants may become well established before hot summer months. Sow seed in shallow drills 12 to 18 inches apart; when plants are well up thin out to proper distance apart. They should be gathered on a dry day, just before they reach full bloom, tied up into small bunches and hung in a cool place to dry until needed. Or when thoroughly dry the leaves may be rubbed off and put into wide-neck bottles, so that air may be entirely excluded.

ANISE (*Pimpinella anisum*).—Cultivated for its seeds and its leaves, which are used as a garnish and for seasoning. Pkt. 5c; oz. 20c.

BALM (*Melissa officinalis*).—A fragrant lemon-scented perennial used for making balm tea or balm wine. Pkt. 5c; oz. 35c.

BASIL, SWEET (*Ocimum basilicum*).—Hardy annual. Leaves and tops of shoots are gathered and used for highly seasoned dishes in soups, stews and sauces; a leaf or two is sometimes used in salads. Pkt. 5c; oz. 20c.

BORAGE (*Borago officinalis*).—Sown largely for bee pasturage. Used for claret cup and other drinks. The young leaves make an excellent salad. Pkt. 5c; oz. 25c.

CARAWAY (*Carum carui*).—Cultivated for its seed, which is used in confectionery and cakes. Pkt. 5c; oz. 15c.

CATNIP or CATMINT (*Nepeta cataria*).—A hardy perennial, well known as a mild nervine for infants. Also a useful bee food. Pkt. 10c; oz. 60c.

CORIANDER (*Coriandrum sativum*).—Has a pleasant aroma and is used in confectionery and for flavoring of liquors. Pkt. 5c; oz. 15c.

DILL (*Anethum graveolens*).—Seeds and leaves are aromatic, warm and pungent, and used to flavor soups and stews and in pickles. Pkt. 5c; oz. 20c.

HOREHOUND (*Marrubium vulgare*).—Leaves used for seasoning, and also in making cough preparations. Pkt. 5c; oz. 35c.

HYSSOP (*Hyssopus officinalis*).—Hardy perennial. Leaf tops and flowers are gathered and dried for making Hyssop tea. Pkt. 5c; oz. 35c.

LAVENDER (*Lavandula vera*).—Used as a distillation of lavender water, or dried and used to perfume linen. Pkt. 10c; oz. 50c.

MARJORAM, SWEET (*Origanum marjorana*).—Leaves and ends of shoots esteemed for seasoning in summer and also when dried for use in winter. Pkt. 5c; oz. 25c.

SAGE (*Salvia officinalis*).—Extensively used for flavoring and dressing. Pkt. 5c; oz. 25c.

SUMMER SAVORY (*Satureia hortensis*).—Leaves used for culinary purposes, having an agreeable flavor. Pkt. 5c; oz. 35c.

TANSY (*Tanacetum vulgare*).—Cultivated for medicinal purposes. Pkt. 10c; oz. 50c.

THYME (*Thymus vulgaris*).—Young leaves and tops used for seasoning. Pkt. 5c; oz. 50c.

RUE (*Ruta graveolens*).—Leaves small and pungent; occasionally used for seasoning, but chiefly for medicinal purposes. Pkt. 5c; oz. 25c.

ROSEMARY (*Rosmarinus officinalis*).—Aromatic leaves are used for seasoning. Oil from flowers is chief ingredient in Eau-de-Cologne. Pkt. 5c; oz. 50c.

Have You Grown New Zealand Spinach?

Of the delicious vegetables not generally appreciated to their full value should be mentioned New Zealand or "Summer" Spinach. The principal reason may be that the plant does not develop early enough to get its succulent growth and make it right for use until after the public appetite has been well fed on greens and is looking about for something considered more substantial. The plant is of spreading habit, eighteen inches in height; stems and leaves soft and fleshy, and edible from the time the plant is large enough for picking until ruined by hard frost. Many good judges consider "New Zealand" superior to ordinary Spinach. It is much easier for the housewife to prepare, as there is no waste or dirt to remove.



New Zealand Spinach

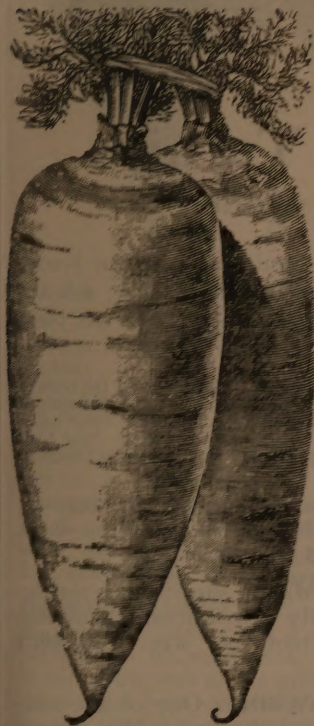
It is a good plan to soak the large prickly seed in warm water for twenty-four hours before planting. Planting in the open ground should be done as early as possible; in fact, it might be well to plant some of the seed into a hotbed or seed box during the month of March, with the object of holding the plants until conditions of soil and weather will permit of transplanting to the open ground. When once well started they make rapid growth and should be allowed liberal space as each plant will cover from two to three feet. The extra bother or expense of starting the plants early will repay one, particularly the market grower having a sale for greens during the summer months. Pkt. 5c; oz. 15c; 2 oz. 20c; 1-4 lb. 30c; 1 lb. 90c.

AGRICULTURAL SEEDS FROM THE WORLD'S MOST SKILFUL GROWERS

THESE CROPS ARE MOST IMPORTANT TO YOU

When one stops to consider the amount of time and labor spent on these crops and the area of land devoted to them, their importance is emphasized. But no matter how much arduous effort is concentrated on them, nor how ideal a growing season there may be, results are disappointing, to say the least, if the seed planted is not first class in every respect. Realizing this responsibility which rests upon the seedsman, we are particularly careful to furnish the finest pedigreed seeds, severely tested for germinating quality and calculated to produce the best results.

We have contracts with the most reputable growers in various parts of the world, to supply us with seed from stock which is grown to its greatest perfection in their district. Many of these growers are prize winners at famous fairs year after year, and our seed comes from these exhibition stocks. Do not experiment with cheap seeds which often lead to failure, when you can buy reliable stock for very little more money. Look over the various lines listed in this section very carefully. You will find valuable suggestions on each page. It may be that you are having big crops in many fields, but is the land so used bringing you the greatest profit possible? Perhaps you are not planting certain varieties here shown which might be made to yield bigger and more profitable crops in the same area. Every acre should be made to do its maximum in profitable production, and McDonald's farm seeds will help to ensure the accomplishment of this desirable result.



Improved Short White

CULTURE.—Carrots do best in a deep rich sandy loam, well pulverized and deeply cultivated. Sow from 2 to 3 pounds of seed to the acre, in drills from 18 to 24 inches apart, and when about 3 inches high, thin to stand from 4 to 6 inches apart in the row.

DANISH CHAMPION.—This is the largest, heaviest cropping and most nutritious yellow carrot now grown for stock feeding. Roots are intermediate in length, smooth, heavy at the shoulder and stand well above the ground. Flesh is light yellow, and of excellent quality, possessing high feeding value. 1-4 lb. 40c; 1-2 lb. 70c; lb. \$1.25.

IMPROVED DANVERS.—Among the heaviest cropping sorts and one of the best to grow for feeding stock. Is of medium length, heavy and thick at the shoulder, gradually narrowing to a blunt pointed base. Flesh is of a bright orange yellow, sweet and fine-grained. 1-4 lb. 45c; 1-2 lb. 80c; lb. \$1.50.

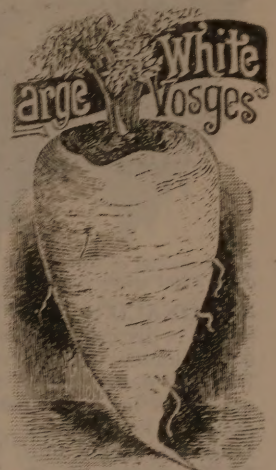
Carrots

FOR STOCK FEEDING

IMPROVED SHORT WHITE.—The most popular of the white sorts. Roots are half long, very heavy at the shoulder but tapering regularly to a point; color, light green at the crown, creamy white below; flesh, white, solid, crisp and of splendid quality. 1-4 lb. 35c; 1-2 lb. 60c; lb. \$1.00.

LARGE WHITE VOSGES.—Roots are about 8 inches long with heavy shoulder measuring 4 inches across, narrowing abruptly to a point. It is very productive, easily pulled and carries well in storage. Particularly recommended for shallow soils. 1-4 lb. 35c; 1-2 lb. 60c; lb. \$1.00.

GIANT WHITE BELGIAN.—In light, rich soils the roots grow to mammoth size; length about 16 inches, growing one-quarter above ground. Color, white underground and green above. 1-4 lb. 30c; 1-2 lb. 50c; lb. 90c.



SOME BIG TURNIPS.

"Have produced an excellent crop from your Prize Elephant Swede Turnip, some weighing as much as 18 lbs. I have also found your garden seeds of very superior quality."—T. C. GOUGH, Kemptville, Ont.

Turnips

FOR FALL AND EARLY WINTER FEEDING

CULTURE.—Sow from first week in July to middle of August, in drills, using 2 to 3 pounds of seed per acre.

POMERANIAN WHITE GLOBE.—One of the most productive sorts; in good rich soil attaining to a weight of from ten to twelve pounds. Lb. 50c; postpaid, lb. 60c.

PURPLE-TOP WHITE GLOBE.—A rapid growing sort, producing a greater weight per acre within a given time than any other white varieties. Lb. 50c; postpaid lb. 60c.

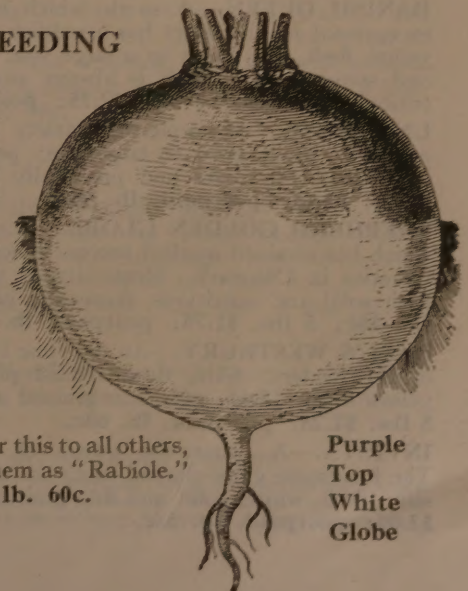
DEVONSHIRE GREYSTONE.—A motley-topped variety which grows to an immense size and is extensively used for early feeding. Lb. 50c; postpaid, lb. 60c.

RED-TOP STRAP LEAF.—Of quick growth, maturing in from eight to nine weeks. One of the very best for late sowing. Roots are of medium size, flat, dark red above ground and white below; flesh white, sweet and fine grained. Lb. 50c; postpaid, lb. 60c.

PURPLE-TOP YELLOW ABERDEEN.—Root is purple above and deep yellow below ground. It is hardy, productive and keeps well. Lb. 50c; postpaid, lb. 60c.

GREEN-TOP YELLOW ABERDEEN.—Similar in form and size to preceding sort, but has green instead of purple top. Lb. 50c; postpaid, lb. 60c.

WHITE NORFOLK.—Skin is white and smooth; leaves, large and green; flesh, white and of good quality. Many of our French patrons prefer this to all others, it being known to them as "Rabiole." Lb. 50c; postpaid, lb. 60c.



Purple Top White Globe



McDonald's Swede Turnips are Famous for Feeding Value

Expert growers in England, Scotland, and Denmark furnish us with our stocks which possess breeding qualities that have made them famous for size, solidity and feeding value. You will be taking a big step towards securing a record yield in ordering McDonald's Seeds for these field crops.

CULTURE.—The turnip is essentially a cold weather plant, and does best when most of its growth is made in the fall. The best soil for this crop is a friable rich, sandy loam, free from fresh manure; sod land that is newly broken is also excellent. But on old land, that is, land which has been cultivated for years, the roots are apt to become wormy. The best time to sow swedes is from June 15th to the middle of July. Seed should be sown rather thickly, say 3 lbs. per acre, to allow for possible attack of flea beetle and thinning out. Sow in drills 2 feet apart, subsequently thinning so that roots will stand about a foot apart in the rows.

MCDONALD'S PERFECTA SWEDE.—This magnificent swede is distinct from any other variety we offer. Of handsome globular shape, very symmetrical, with rich purple top. Flesh is dense and a rich yellow in color. Roots are remarkable for size, quality, hardness and heavy cropping ability. Its keeping qualities are unsurpassed, turnips remaining sound until late in the spring. **Lb. 60c; 5 lbs. \$2.75; postpaid, lb. 70c.**

SELECTED PRIZE ELEPHANT.—Roots are large, tankard shaped, with relatively small neck and top; color purplish-crimson above ground, yellow below; flesh solid, fine grained and unsurpassed for feeding quality, keeping sound until late in spring. **Lb. 60c; 5 lbs. \$2.75; postpaid, lb. 70c.**

DANISH QUEEN.—A swede which has proved to be of exceptional merit. Root has a reddish purple top and deep yellow flesh. It grows to a large size, is globular in shape and symmetrical. Flesh is always sweet, tender and nutritious. **Lb. 60c; 5 lbs. \$2.75; postpaid, lb. 70c.**

UNIVERSAL.—A purple-top variety most highly recommended. Roots grow to large size; perfectly round; have very small tap roots and practically no neck. **Lb. 60c; 5 lbs. \$2.75; postpaid, lb. 70c.**

SHEPHERD GOLDEN GLOBE.—A new green-top swede which has attained marked success in competition with other varieties in Denmark. Roots are of ideal roundish form; flesh solid and nutritious, possessing highest feeding value. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

HALL'S WESTBURY.—An old-time favorite and still one of the leaders. Skin, deep reddish-purple above ground, yellow below; flesh, solid, fine grained and sweet. **Lb. 50c; 5 lbs. \$2.25; postpaid, lb. 60c.**

INVICTA.—A bronze-top swede of recent introduction. The handsome globe-shaped roots are uniform in shape and size; flesh, white, solid and fine grained. **Lb. 45c; 5 lbs. \$2.00; postpaid, lb. 55c.**

CONQUEROR.—A green-top swede of hardy constitution; a heavy cropper, and one of the best of the green-top class. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

SUTTON'S MAGNUM BONUM.—A superior purple-top swede, distinguished for its hardy constitution, handsome form, and enormous weight of roots per acre. **Lb. 60c; 5 lbs. \$2.75; postpaid, lb. 70c.**

SKIRVING'S PURPLE-TOP SWEDE.—One of the old-time swedes, at present in limited demand. Also known as "King of the Swedes." **Lb. 45c; 5 lbs. \$2.00; postpaid, lb. 55c.**

SUTTON'S CHAMPION.—Has given excellent results. Roots large, purple on top; flesh yellow, tender and sweet. **Lb. 45c; 5 lbs. \$2.00; postpaid, lb. 55c.**

HARTLEY'S BRONZE-TOP.—Roots are oval shaped, large and solid, having small neck and single tap root. A very heavy cropper and extremely hardy. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

KANGAROO SWEDE.—Possesses heavy cropping features of famous Elephant, with the constitution of the best types of Green Top Swedes. Is therefore better adapted to sowing on land that lies exposed and is more backward than other sorts. **Lb. 45c; 5 lbs. \$2.00; postpaid, lb. 55c.**

IMPERIAL HARDY.—Roots nearly round; skin yellow with purple tops; flesh yellow, solid and sweet. Hardy, productive and nutritious. **Lb. 45c; 5 lbs. \$2.00; postpaid, lb. 55c.**

NEVER SAW SUCH TURNIPS.

"Your Perfecta Swede Turnip beat everything around this part of the country. A friend of mine who had some of the seed said that he never saw such Turnips in his life. I know for eating you could not possibly get better."—H. BLUEMEL, Minto, N.B.



Fatten Your
Stock at
Low Cost

Mangels and Sugar Beets

MANGEL or SUGAR BEET Sent by Mail, Postpaid, in quantities of five pounds or more, to any address in Canada, at an extra charge of 5c. per lb.

It is highly important that your root crops should be not only heavy in yield but of the finest quality, of greatest food value to your stock. For that reason you cannot be too careful in selecting your seeds so as to ensure best results. Ours are produced from the finest pedigreed strains by skilful growers and will give excellent satisfaction when planted in suitable, well prepared soil.

McDONALD'S SELECTED MAMMOTH LONG RED.—An extra selected strain of the popular Mammoth Long Red Mangel. Grows to immense size; is remarkable for handsome, thick, uniform shape. Flesh is deep-colored red, and of very fine texture and quality. Produces heavy tonnage. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

DANISH SLUDSTRUP.—It is a reddish-yellow root, not so long as Mammoth Long Red, and contains a larger percentage of nutriment than any other mangel. Very hardy, grow well above ground and are easily pulled. Sludstrup has been awarded several First Class Certificates by the Danish Government. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

GIANT YELLOW INTERMEDIATE.—An improved type. Roots are of magnificent form and size; larger and heavier than Yellow Intermediate; smooth, even in shape, growing half above ground. Flesh is white, firm and sweet. An excellent keeper that produces enormous crops. Recommended for gravelly, shallow and light soils. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

GOLDEN TANKARD.—A distinct and valuable yellow-fleshed variety which contains a large percentage of saccharine and nutritive matter. Highly regarded for its superior milk-producing qualities. Is a deep rich yellow; flesh firm and solid. Enormous crops that are easily harvested. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

YELLOW GLOBE.—This globe-shaped variety produces bulbs of large size. Skin is deep orange-yellow; flesh, white, of excellent quality and free from coarseness. Roots grow two-thirds above ground, a feature which makes it very desirable for shallow soils. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

ECKENDORFER RED.—A magnificent root of cylindrical form closely resembling Tankard, growing largely above the surface; is therefore easily lifted. Yields heavy crops of large, clean, uniform roots weighing from 15 to 20 pounds each, which are of best feeding quality. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

Nutritious Sugar Beets

GIANT HALF SUGAR.—Also known as Royal Giant Sugar Beet. Combines bulk of the Mangel with desirable quality of the Sugar Beet. While yielding almost as great a bulk as the Mangel it supplies a food of greater value, flesh being rich and nutritious. For feeding more valuable, pound for pound, than any of the older sorts of Sugar Beet, while the yield is very much greater. Root is oval, bright rose above and white below. As they grow well above the surface can be lifted for storage more easily than any of the deeper growing sorts. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

IMPROVED DANISH SUGAR BEET.—A favorite variety and extensively used for stock feeding. Roots grow to a large size, are heavy, rich in sugar, hence of superior value for dairy cattle, promoting an increased flow of milk. Skin shaded or flushed with pink. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

RED TOP SILESIAN.—Combines with heavy yield a good percentage of sugar. **Lb. 40c; 5 lbs. \$1.75; postpaid, lb. 50c.**

CROPS ARE REGULAR.

"I have had no trouble or disappointment with the crops since planting your seeds. Everything has turned out splendidly."—SAMUEL HARTWICK, Arnprior, Ont.

ALWAYS SATISFACTORY RESULTS.

"I have been sowing your Timothy and Clover Seed for the past twenty years and always with satisfactory results. Your Seed Corn has also proven itself far superior to the ordinary."—JOSEPH ALLEN, Vernon, Ont.

Agricultural and Fodder Plants

You need not worry about stock feed if you supplement your regular root and fodder crop by a few of the agricultural and fodder plants listed here. They may be depended upon, even in the driest of seasons, to produce enormous quantities of rich, nutritious food.

Improved Dwarf Essex Rape

Be Sure To Get the Genuine Article. Wonderfully Productive. Excellent Feed for Stock.

CULTURE.—Seed may be sown any time from early June till August. If soil is rich and in good clean condition, it may be sown broadcast from 4 to 6 pounds per acre. Sow in drills at the rate of 2 to 3 pounds, allowing 2 feet between rows.

Will produce in from eight to ten weeks an abundant supply of rich, nutritious pasture. Closely resembles the Ruta Baga, but both leaves and stalks are more numerous, and grow to a height of 3 feet, smothering all weeds. It is hardy, withstands drought, and produces a crop in any good soil. Be very careful in the purchase of seed offered as, owing to scarcity and high price, both French and Japanese Sowing Rape are being supplied as a substitute. We can supply the cheaper article if wanted, but cannot recommend it. Price: Improved Dwarf Essex (Genuine), postpaid, lb. 35c; by express or freight, lb. 25c; 5 lbs. \$1.00; 10 lbs. and upwards, 17c per lb;

Thousand Headed Kale

Greatly Relished by Sheep and Cattle.

Rapidly grows 3 or 4 feet high, and is covered with small whorls or leaves. Is not easily affected by drought. Sow from 1 to 2 pounds of seed per acre in drills from 2½ to 3 feet apart to allow for cultivation. Lb. 50c; 5 lbs. \$1.75; 10 lbs. upwards, 40c. per lb; postpaid, lb. 60c.

Sand, Winter, or Hairy Vetch

Exceedingly Valuable for Forage and Fertilizing Purposes.

Vines are similar to pea vines, but more slender and more thickly clad with leaves and side stems, which furnish a nice quality of succulent feed. Practically any land that has been under cultivation or can raise Clover, Beans, Peas or other Legumes is capable of producing Vetch in abundance. Sow 30 lbs. per acre broadcast, with the addition of ½ bushel of Rye or Oats to furnish support for the vines. Hogs, sheep and cattle eat it with great relish. By mail, postpaid, lb. 25c; 100 lbs. \$22.00; postpaid, 35c. lb.

Mammoth Russian Sunflower

A Splendid Food for Poultry.

This is the largest variety, the greatest seeder, and therefore the best to grow. Being very rich in oil, it is highly nutritious. Excellent for fattening hogs and one of the best egg-producing foods known. Fowls fatten well on it, attaining a bright, lustrous plumage and strong healthy condition. Lb. 15c; 5 lbs. 60c; 10 lbs. upwards, 10c; postpaid, lb. 25c.

Spring Tares or Vetches

Productive and highly nutritious, making excellent green feed, which is much relished by all stock. Sow broadcast from 1 to 1½ bushels per acre; frequently sown with oats for soiling. Black: Gal. 60c; peck \$1.00; bush. \$3.90. White: Gal. 60c; peck \$1.10; bush. \$4.00.

Early Soy or Soja Beans

Enriches Poor Land, Makes Good Land More Productive.

A valuable leguminous plant and one of the greatest soil enrichers. Produces excellent green or cured fodder which, by analysis, compares favorably with Alfalfa.

While hay may be a trifle coarse, it is sweet and palatable, and liked by stock, when properly cured. Should be cut when half the pods are full grown, or top leaves begin to turn yellow. Three to five days good weather is ample for making hay. Plant any time after corn planting time up to midsummer, in drills from 30 to 36 inches apart, dropping beans two to three inches apart. One-half bushel of seed per acre, or one bushel if sown broadcast. Weight per bushel, 60 lbs. Price: peck \$1.00; bushel \$3.75; postpaid, lb. 25c; 5 lbs. \$1.10.

Teosinte

A Green Feed that is Invaluable.

Produces a large quantity of forage which is most valuable as a green feed, being exceedingly tender, sweet and juicy. Greedily eaten by stock. Leaves larger than those of corn; can be cut off for green forage at any stage of the growth. If cut above second base joint will sprout quickly into fresh growth. Sow in drills at same time as corn, from 3 to 4 feet apart, plants one foot apart. Price: lb. 75c; postpaid, lb. 85c; 1-4 lb. 25c.

Whip-Poor-Will, Cow Peas

Equal to Clover as a Soil Enricher.—While excellent fodder, in green state its special merit lies in reclaiming poor and worn-out soils which can be done by ploughing under several crops. Sow 1 to 1½ bushels per acre, when ground has become warm. Price, by mail, postpaid, lb. 20c; 2 lbs. 35c; by express or freight, lb. 10c; gal. 60c; peck \$1.00; bush. \$3.75.



Cow Peas.—Whip-Poor-Will

Agricultural and Fodder Plants

Hungarian Grass and Millets

Invaluable for Late Sowing when Hay is Short.

HUNGARIAN GRASS.—An excellent forage plant, on account of speedy growth and ability to yield a fine crop in a short season. Frequently sown as a catch crop; will produce good results if sown up to July first. Less rank in growth than millets; adapted to light soils. Sow from $\frac{1}{2}$ to $\frac{3}{4}$ bushel to the acre; weight per bush. 48 lbs. **By mail, postpaid, lb. 20c.** Write for quantity quotations.

COMMON MILLET.—Similar to Hungarian in season and manner of growth; height from 2 to 3 feet; foliage broad and abundant. **By mail, postpaid, lb. 20c.** Write for quantity quotations.

GERMAN or GOLDEN MILLET.—Larger and heavier than above, and in good soil will grow to a height of from four to five feet. Sweet, tender and palatable if cut when in full bloom. **By mail, postpaid, lb. 20c.** Write for quantity quotations.

SIBERIAN or RUSSIAN MILLET.—About two weeks earlier than German Millet; grows about four feet high. The hay and fodder is very nutritious and much liked by all kinds of stock. Seed is mixed red and yellow. **By mail, postpaid, lb. 20c.** Write for quantity quotations.

Japanese Millet

Fully Equal to the Best Corn Fodder for Milch Cows.

A rapid growing forage and ensilage plant, frequently attaining a height of six to eight feet, and yielding 12 to 15 tons of green fodder per acre. It can be cut and fed in green state until seed begins to ripen. For cows it is highly nutritious, greedily eaten, and invariably increases flow of milk. If broadcast, sow from 20 to 25 lbs. per acre; or in drills, 10 to 12 lbs. per acre. **Lb. 10c; 25 lbs. \$1.75; 100 lbs. \$6.00; postpaid, lb. 20c.**

Sorghum or Early Amber Sugar Cane

A Good Feed for Dairy Cattle.

Greedy eaten by all stock, being sweet, tender and very nutritious. Dairy-men claim that it greatly increases the flow and quality of the milk. Sow 15 pounds per acre in drills and cultivate same as corn. Seed is a profitable crop for feeding poultry. **Lb. 10c; 10 lb. 75c; 100 lb. \$6.50.**

Hog Millet

While hay is of little feeding value unless cut very young, it produces a heavy crop of seed, 60 or more bushels per acre, which is excellent for poultry, hogs and other stock. **By mail, postpaid, lb. 20c.** Write for quantity quotations.

Kaffir Corn

Weather conditions have little effect on it; grows from start to finish whether dry or wet. Straight and upright attaining a height of six or more feet. Stems have a stalky tendency and produce numerous wide leaves. Stalks do not harden but keep green, brittle and juicy. Grain desirable for poultry. Cultivate same as common corn. For fodder sow in drills at the rate of $\frac{1}{2}$ bushel per acre. **Price: lb. 10c; 10 lbs. 75c; 100 lbs. \$5.00; postpaid, lb. 20c.**



Kaffir Corn

Sudan Grass

Annual of quick growth. First crop ready to cut fifty to seventy days after planting. Stools freely, fifty and more stems sometimes from one seed. When seeded broadcast it averages three to five feet in height, with stems size of a pencil; or when sown in drills and cultivated, from six to nine feet. On account of rapid growth and excellent forage, particularly recommended as a catch crop. Successfully grown on almost any soil, doing best on a rich loam. Prepare ground as for corn. As a catch crop can be sown as late as July 1st. When sown in drills use five pounds per acre, at depth of one-half to one inch, or broadcast at rate of twenty pounds. Seed scarce this season. **Price: lb. 40c; 10 lbs. \$3.50; postpaid, lb. 50c.**



Sorghum

Seed Corn of Extra Select Quality

Because we realize the importance of seed corn, upon which the farmer depends chiefly for his fodder requirements, we give unlimited time and care to the selection of the tested seeds we now offer. This year our task was particularly difficult, as, owing to the continued rains and unfavorable weather during the first part of the growing season the crops were from three to five weeks late in maturing, and consequently only a small portion was fit for seed. But you are assured that we selected the finest of the finest for seed purposes. Our seed has been severely tested for vitality and germinating qualities and is offered with our guarantee that it is absolutely the best procurable. Prices are for delivery ex-warehouse, Ottawa, purchasers paying freight. Add 30c. each for cotton bags.

Seed corn quotations are almost nominal owing to conditions explained above; but we will fill orders at prices quoted up to April 1st, when we will issue a new price list on Farm Seeds. Write for special prices on large quantities.

Fodder and Ensilage Varieties

MCDONALD'S IMPROVED SPECIAL LEAMING.—Dairymen and stockfeeders, as well as farmers generally, are enthusiastic over the results they invariably get when they plant it. It is quite early, a strong, luxuriant grower that does well on either light or heavy soil and gives unqualified satisfaction wherever grown. A marked improvement on the best strain of "Improved Leaming" and a consistently heavy yielder. Ears are of medium size; cob red and small, with large, deep grains of reddish-yellow color. **Bushel \$2.50**

WHITE CAP YELLOW DENT.—While one of the best for growing on any good land it will give better results on poor or light soils than any other. A strong grower, remarkable for its ability to resist heat and drought. Is very early, maturing in from 90 to 100 days. Heavy crops of superior quality are annually reported from this excellent variety. **Bushel \$2.25.**



A Field of McDonald's Improved Special Leaming

MAMMOTH CUBAN YELLOW.—An exceedingly vigorous and rapid grower, short-jointed; produces much foliage, which is broad, heavy and of finest milk-producing quality; nearly as tender and sweet as the sugar varieties. **Bushel \$2.25.**

CLARK'S EARLY MASTODON.—A yellow dent of rapid growth and large yielding ability. While stalks are of medium height, foliage is abundant; leaves broad, thick and succulent. Ears of unusually large size. **Bushel \$2.25.**

WISCONSIN No. 7.—Said to have originated at experimental farm, Madison, Wis., has been grown in Ontario for the past six years with gratifying results. The rooting system is well developed; stalks close jointed, producing foliage well to the ground. Ears 8 inches and usually 16 rowed; kernels white, large and deeply set on a small white cob. **Bushel \$2.40.**

GOLDEN GLOW.—Also known as Wisconsin No. 12, is an extra early sort, similar in general characteristics to Wisconsin No. 7. Stalks grow to a height of seven feet; are very leafy and make nutritious fodder. The ears are of handsome appearance with from 16 to 20 rows of rich yellow, wedge-shaped kernels packed closely from butt to tip on a red cob. A hardy corn and one of the best for northern conditions. **Bushel \$2.40.**



Corvusine D.G. Liquid Seed Dressing

Keeps birds away from Corn-fields and all Seed Grain. It is a seed protector, germinative assistant and preventative of premature ground rot. In cans of four sizes containing sufficient to dress from 12 to 200 bushels.

Price: from \$2.25
to \$22.50 per can
according to size



Longfellow



A Field of Selected Red Cob

MINNESOTA KING.—One of the most valuable for growing in Northern sections as it possesses a remarkably healthy and vigorous constitution, enabling it to withstand all extremes in the weather. Ears are of medium size with eight rows of broad yellow kernels, half way between Flint and Dent. It matures a week earlier than any of the Dent sorts and is just the corn for wet, cold seasons. **Bushel \$2.40.**

LEAMING FODDER.—Extensively used for green and dry fodder, but too late in maturing to produce a sufficiency of cobs to make it equal to Improved Leaming for silo purposes. **Bushel \$1.90.**

MAMMOTH SOUTHERN SWEET or PARAGON WHITE Is always in demand owing to its ability to yield enormous crops of remarkably sweet and nutritious fodder, particularly good for feeding in its green state. **Bushel \$1.90.**

RED COB SELECTED.—An old-time favorite with large close-jointed stalks, producing an abundance of fodder, which is sweet, tender, juicy and much liked for either green or dry feed. **Bushel \$2.00.**

EVERGREEN SWEET FODDER.—Crop Failure. We cannot supply this season.

Extra Early Flint Varieties

COMPTON'S EARLY.—One of the earliest and especially adapted to Northern conditions; there are twelve rows to the cob; grains small, round and heavy. Some growers use in preference to the Dents for silo purposes. **Bushel \$2.75.**

LONGFELLOW.—An eight rowed sort, the most popular of all Flint varieties. Ears are from 10 to 14 inches in length and well filled with large, broad, golden-yellow kernels. **Bushel \$2.75.**

ANGEL OF MIDNIGHT.—An extra early, eight rowed yellow Flint corn. Ears are long, straight and evenly filled from butt to tip with rich, golden-yellow kernels of medium size. **Bushel \$2.75.**

SEED CORN EXCELLENT

"I consider your Timothy Seed of much better quality than I have been able to get from other sources. Your Seed Corn has always given me excellent results."—J. B. McCOLL, Cobourg, Ont.

IMPROVED KING PHILIP.—An extra early red Flint particularly desirable for Northern sections, maturing in 90 days. Ears are eight rowed and from 9 to 12 inches long. **Bushel, \$2.75.**

SANFORD WHITE FLINT.—Not only does this corn produce a large crop of fodder, but also a generous yield of long handsome ears, measuring from 12 to 15 inches. Plant is of strong vigorous growth, and the stalks and leaves of most desirable ensilage quality. **Bushel \$2.75.**

NORTH DAKOTA WHITE FLINT. — A valuable sort, and highly esteemed by many growers because of the leafy character of the close jointed stalks. Ears are of large size; kernels broad, and the grain of a dusky white color. Yields enormous crops. **Bushel \$2.75.**





Seed Grain quotations are almost nominal, owing to uncertainty of supplies, but we will fill orders at prices quoted up to Apr. 1, when we will issue a new price list on Farm Seeds.

Seed Grain Section

Purchasers of seed grain are the most critical buyers on the market, and it is right that they should be, for quality is of highest importance in buying seed for these crops. Our standard has been raised from year to year until we feel to-day that we are in a position to offer exceptional values, even at the higher prices we quote. Our stocks are the choicest, and will, under proper circumstances, produce more than ordinarily large crops. Prices are for delivery ex-warehouse, Ottawa, purchasers paying freight. Always add 30c. each for Cotton Bags.

Victory Oats

Victory is a stiff-strawed oat of medium height and remarkable yielding qualities. Spiklets are usually two-kernelled, of medium size, and glumes relatively small and short. Shoots are abundant and the development in the field strikingly regular. Yield highest of all white oats. Grain of medium size, short, plump, and beardless or very slightly bearded. Does best on clayey and humid soils. Our stock is Canadian grown and thoroughly acclimatized. Price, per bushel, \$1.50; 10 bushel lots and upward, per bushel, \$1.40.

American Banner Oats

American Banner is a favorite with many growers and has always given excellent satisfaction, both as to yield and quality of grain. A feature is its adaptability to a wider range of soils than almost any other oat. Grain is heavy and of fine feeding quality; straw strong and stiff and not inclined to lodge or fall down. Registered Seed. Per bushel, \$1.75; 10 bushel lots and upward, per bushel, \$1.60; Improved Banner, per bushel, \$1.35; 10 bushel and upwards, per bushel, \$1.25.

Victory Oats

Improved 20th Century Oats

A nice white oat ripening within five days of Daubeney, the earliest of all. Grains plump, solid, heavily meated and covered with a thin hull, which makes it the very best for feeding or commercial purposes. Like American Banner, it adapts itself to a diversity of soils. Straw stiff strong, and not inclined to rust or smut. Root system is well developed, making plants hardy and most capable of resisting drought. Our supply weighs 45 lbs. to the measured bushel. Per bushel, \$1.50; 10 bushels and upward, per bushel, \$1.40.

Garton's Abundance Oats

Yield unusually large, surpassing ordinary varieties by 20 per cent. Straw is stiff and strong; heads branching or spreading; kernels while short are very plump and numerous with a thin hull. Per bushel, \$1.50; 10 bushel lots and upward, per bushel, \$1.40.

O.A.C. No. 72 Oats

Prof. Zavitz, Ontario Agricultural College, Guelph, says:—"The average yield per acre during our tests has been 90 bushels. It possesses a long stiff straw comparatively free from rust. Is of excellent quality, being thinner in the hull than Banner, Abundance and most other varieties commonly grown in Ontario. A little later than Banner in reaching maturity." Per bushel, \$1.50; 10 bushel lots and upward, per bushel, \$1.40.

Swedish Conqueror Oats

Large, broad, plump, thin-skinned. Panicle is short, quite small, with very stiff branches. Spikelets tend to be three-flowered, grains firmly set and do not fall off. Medium early. Yield is one of greatest known. Per bushel, \$1.60; 10 bushel lots and upward, per bushel, \$1.50.

Barley

O. A. C. No. 21.—This famous Mandscheuri has superseded all varieties of six-rowed barley, being earlier, more vigorous, larger in yield. Straw strong, stiff, and seldom lodges. Heads long and well filled; grain plump and of best quality. **Bushel, \$2.00.**

MANDSCHEURI.—One of the most productive of the six-rowed sorts; strong root formation and large stiff straw. **Bushel \$1.90.**

CANADIAN SIX-ROWED.—Old-time six-rowed Barley. Extensively grown, but not recommended in comparison with the first-named sorts. **Bushel \$1.90.**

DUCKBILL. Two-Rowed.—Matures later than six-rowed varieties, and for this reason is in demand for sowing with oats and other grain. Owing to large and plump appearance commands higher price for malting purposes. **Bushel \$2.00.**

IMPROVED BLACK HULLESS.—An immense cropper, yielding more weight per acre than any of the white seeded varieties. Highly recommended for grinding and for feeding hogs. Grain is black and resembles the two-rowed in shape and size. **Bushel, 60 lbs. \$2.00.**

Field Beans

WHITE PEA.—A popular sort, extensively grown; none more desirable for cooking and baking. **Peck, \$1.90; bush., \$7.00.**

MEDIUM WHITE or NAVY.—Standard white medium sort; well known everywhere. **Peck, \$1.90; bush., \$7.00.**

SULPHUR or CALIFORNIA YELLOW.—Of finest cooking quality; a very profitable sort to grow. **Peck, \$1.90; bush., \$7.00.**

Spring Wheat

MARQUIS.—Valuable on account of its extreme earliness and ability to outyield other varieties. Compared with Red Fife, berries are shorter, plumper, more deeply creased and colored; desirable for miller's use. Also from a week to ten days earlier, and shows average increase in yield of five to ten bushels per acre. Heads of same beardless character; straw strong, excellent, and not inclined to lodge, rust or smut. Some record yields stand to its credit. **Price, per bushel \$2.75; 10 bushels and upward, \$2.60 per bushel.**

RED FIFE (Bald).—Prized for its excellent milling qualities. **Price, per bushel \$2.60; 10 bushels and upward, \$2.50 per bushel.**

WHITE FIFE (Bald).—Similar to Red Fife, but white. Claimed to give greater yields in certain districts. **Price, per bushel \$2.60; 10 bushels and upward, \$2.50 per bushel.**

WHITE RUSSIAN (Bald).—While not possessing as desirable a milling quality as the Fifes, this lack is made up in greater yield. **Price, per bushel \$2.50; 10 bushels and upward, \$2.40 per bushel.**

COLORADO (Bearded).—A large, plump-berried soft wheat possessing splendid yielding qualities. While not extensively grown, a marked preference is shown for it by some growers. **Price, \$2.25 per bushel.**

WILD GOOSE (Bearded).—Possesses very little flour substance, and is of no value for milling. Merit lies in heavy yielding ability and desirability for feed and the making of macaroni. **Price, \$2.25 per bushel.**

Field Peas

THE ARTHUR PEA.—A new pea originated by Dr. Saunders, of Central Experimental Farm, Ottawa. Seed of medium size, white, height of straw about 4 feet, earliest of all field peas and one of the heaviest yielding. **Bushel \$4.50.**

CONCORDIA.—An excellent Swedish variety of Blue Pea possessing heavy yielding qualities. Plant of medium height, strong and unusually hardy. Peas are of a desirable blue green color and in large demand for cooking. **Bushel \$4.50.**

GOLDEN VINE.—Has been more generally grown than any other for years past. It is early, of vigorous growth and highly productive. Vines from 3½ to 4 feet. **Bushel, \$2.75, \$3.25 and \$3.75, according to quality.**

Buckwheat

SILVER HULL.—Has a small, plump silvery-gray grain with thin hull. Makes whiter, more nutritious flour than common gray or black variety, continues to bloom longer and produces larger crop. Fine for honey bees. **Bushel \$2.00; 5 bushels or more at \$1.90.**

JAPANESE.—Of stronger growth than common buckwheat and resists drought and blight much better. Grain a rich, dark brown, twice the size of silver Hull, and ripens a week earlier than other sorts. **Bushel \$2.10; 5 bushels or more at \$2.00.**

Spring Rye

Quite distinct from Winter Rye and greatly valued by many. Matures a crop in 105 days; straw from 4½ to 5 feet; yield fully equal to Winter Rye. Sow 1½ bushels per acre. **Bushel \$2.25.**



High Grade Seed Brings Bountiful Crops

High-Grade Timothy, Clovers and Grasses

(Prices Subject to Market Fluctuations)

Lines quoted hereunder are listed at prices prevailing in January when this catalogue is printed, a time when markets are unsettled, so we cannot make our quotations so as to hold good throughout the season. Write stating quantity you desire and we will give you prevailing quotations for prompt acceptance. Otherwise orders will be filled at current market values.

To assure safe delivery, Timothy and Clover Seeds should always be shipped in good strong cotton bags. ADD TO YOUR REMITTANCE 30c. EACH TO COVER COST OF COTTON BAGS. 25 lbs. or more supplied at 100 lb. rate.

MEDIUM or EARLY RED CLOVER.—This is considered the most valuable of the Clover family. It is sometimes called June Clover, and is everywhere in great demand. Price: "Mount" brand, No. 1, 10 lbs. \$2.70; 100 lbs. \$26.00. Price: "Meadow" brand, No. 2, 10 lbs. \$2.50; 100 lbs. \$24.00.

MAMMOTH or LARGE LATE RED CLOVER.—Of taller and ranker growth than the preceding sort. Valuable for restoring fertility to depleted soils. The foliage, flower and stem are darker in color than the Early Red. It ripens later and makes only one crop. Price: "Mount" brand, No. 1, 10 lbs. \$2.80; 100 lbs. \$27.00. Price: "Meadow" brand, No. 2, 10 lbs. \$2.60; 100 lbs. \$25.00.

ALSIKE CLOVER.—A valuable sort which resembles Red Clover in growth and habit. Desirable in grasses for hay and permanent pasture. Thrives well on soils that are cold and wet, being hardy and not easily winter killed. Price: "Mount" brand, No. 1, 10 lbs. \$2.60; 100 lbs. \$25.00. Price: "Meadow" brand, No. 2, 10 lbs. \$2.30; 100 lbs. \$22.00.

WHITE OR DUTCH CLOVER.—A small spreading perennial variety, valuable for pasture and lawns. Price, 50c. to 60c. per lb. according to quality.

Timothy Seed

Every farmer is acquainted with Timothy and appreciates its great value as a permanent meadow. Timothy seed has been a specialty with us for the past thirty-five years. We handle only high-grade quality—seed that has been carefully tested. You can absolutely depend upon our different grades to be of a high percentage of purity and germination.

When the present market value of other farm crops is considered, timothy seed is today the most attractive in price of them all. It is therefore more than likely that many farmers will buy enough Timothy seed for this and next year's requirements, as there is certainly more chance for higher than lower prices for another year.

"MOUNT" BRAND.—An extra select seed of strictly No. 1 grade, carefully re-cleaned and uniformly graded. Can always be relied upon for high standard of purity and germination. We recommend "Mount" to customers wanting a reliable high-grade seed. Price: 1b. 15c; 10 lbs. \$1.35; 100 lbs. \$12.00.

"MEADOW" BRAND.—For a No. 2 Government Standard this seed is of large size and shows a purity of 99½%. It is only because it is slightly dark in color and frequently a little hulled that it does not classify as No. 1. Price: 1b. 12c; 10 lbs. \$1.00; 100 lbs. \$9.00.

JUST A WORD ABOUT OUR MEADOW BRAND

Do you know that under existing conditions you can buy a No. 1 Grade of Timothy seed not equal to our Meadow brand in practical sowing value? We are always anxious to sell a No. 1 grade of seed, but we feel this year at the respective prices, that "Meadow" represents greater value in dollars and cents to the farmer.

"PINE TREE" BRAND.—We offer in "Pine Tree" a good dependable seed at a moderate price, showing an average purity of 99½%. While not a fancy grade, it is just of that nice middle quality which makes it desirable to the man who studies economy, with an eye to purity and strong germination. Price: 1b. 12c; 10 lbs. \$1.00; 100 lbs. \$8.50.

FARMOGERM

A preparation of high-bred nitrogen-gathered bacteria in sealed bottles, ready to use, with water added according to directions. Bottles contain enough Farmogerm to inoculate the seed for one acre. Prepared for the following crops:

White Clover	Alfalfa Clover	Canada Field Peas
Red Clover	Garden Beans	Garden Peas
Crimson Clover	Cowpeas	Sweet Peas
Alsike Clover	Vetches	Soy Beans

Price per acre bottle, \$1.50; per five-acre bottle, \$5.00. State for what crop Farmogerm is wanted, when ordering.

Also in garden size, enough for 1,000 square feet or a 200 foot row, for peas, beans, sweet peas and white clover, at 50c per bottle. We secure cultures fresh from the laboratory hence it takes from a week to ten days to fill orders.



Red Clover



Timothy

Alfalfa

The Queen of Fodder Crops.

Some crops fail the farmer, but even when seasonable conditions are unfavorable the alfalfa field will supply high quality feed for all kinds of stock. Alfalfa will grow on any land that is well drained and that will give a good catch of clover. It is a perennial plant, very hardy, sinking its roots deeply after moisture and fertilizing elements, so that the severest drought or coldest weather will not kill it when once established.

The deeper the soil of the alfalfa field is plowed the year previous to sowing the better. The land then should be disced, rolled and harrowed until the seed bed is gotten into fine garden condition. If the soil does not contain the bacteria necessary for the successful cultivation of alfalfa, this may be supplied by spreading soil from an established alfalfa or sweet clover field at the rate of from 300 to 400 pounds to the acre. Commercial cultures of bacteria are also very successful.

Spring or oat-seeding time is usually preferred for the sowing of alfalfa in this section of Canada, although it is frequently sown with success up to August 15th, when the seed bed and moisture conditions are favorable. When given a fair chance the alfalfa plants usually will thrive without the necessity of a nurse crop. If, however, a nurse crop is desired, oats, fall rye or millet can be recommended. It might be mentioned, however, that many of the most successful growers will have nothing to do with a nurse crop with alfalfa, considering it a nuisance. Authorities agree that 20 pounds is about the right quantity of seed to sow per acre.

MCDONALD'S GOLD MEDAL ALFALFA.—This brand represents the very highest quality of No. 1 seed it has been possible to obtain from Northern sections where plants have endured the extreme cold of winter, and is therefore very hardy and best adapted to Canadian climate. **Price: 1b. 32c; 10 lbs. \$2.80; bush. \$15.60; 100 lbs. \$26.00.**

We can also supply lower priced Alfalfa. Write for quotations, stating requirements.

GRIMM ALFALFA.—We offer a limited quantity of genuine Grimm Alfalfa. This strain is noted for its extreme hardiness, surviving winters that kill out fields sown with other varieties. It is also claimed to be the most productive of all Alfalfa. **Lb. 90c; 10 lbs. \$7.50; by mail, postpaid, 1b. \$1.00.**

\$1,600 WORTH OF SATISFACTION.

"We have purchased seeds from you for the past four years, such as: Timothy, Clovers, Roots, Corn and other Grain. They have given us entire satisfaction. Last year our invoice called for \$1,600.00 worth. I can recommend your seeds most highly."—W. C. BAKER, Sec.-Treas. Crosby Farmers' Club, Singleton, Ont.

ALWAYS AS REPRESENTED.

"Have planted your seeds for many years and have always found them to be as represented."—ROBT. BELL, North Gower, Ont.



Bokhara Sweet
or Bee Clover

Sweet Clover

WHITE BLOSSOM or BOKHARA (Melilotus alba).—A biennial plant bearing a close resemblance to Alfalfa. It can be grown successfully on soils on which Alfalfa will not thrive, and makes excellent growth on lands so hard and barren that they will scarcely sustain any other vegetation. For this reason, it is perhaps most valuable as a soil enricher and for reclaiming poor and worn-out lands, also on account of its ability to provide an excellent green fodder in the early spring months and during periods of prolonged drought. Makes one of the very best foods for honey bees.

As there seems to be a wide difference of opinion as to the real value of Sweet Clover as a forage plant, we would urge customers to write to the Director, Experimental Farms, Ottawa, requesting a copy of Exhibition Circular No. 14, by Dr. Malte, Dominion Agrostologist, entitled, "Sweet Clover—The Truth," in which the merits and demerits are fully explained. **Price of seed, by mail, postpaid, 1b. 35c; by express or freight, 1b. 25c; 10½lb. \$2.35; bush. of 60 lbs. \$13.00; 100 lbs. \$21.50.**

Crimson or Scarlet Clover

(Trifolium Incarnatum).

An annual and a native of Italy. While not in large demand it has an important part to play as a plant for enriching the soil by plowing under. Also provides an abundance of green foliage, which if cut while in bloom makes an excellent quality of hay. The seed somewhat resembles Millet in appearance. Sow from 10 to 15 pounds per acre. **Price: Fancy quality, 1b. 25c; 10 lbs. \$2.30; 100 lbs. \$22.00.**

Other Agricultural Grasses

The following prices include prepayment of postage. If you order by express or freight, deduct 10c. per pound. When wanted in quantity, write for Special Quotations, stating requirements. Always add 30c. each to cover cost of cotton bags for shipment of Grass Seeds in quantity.

BROMUS INERMIS. (*Awnless Brome Grass.*)—Stands long droughts and produces heavy crops of good hay in dry sections where other grasses would perish. One of the hardiest grasses, affording early and abundant pasturage, resisting intense cold, and extremely dry weather. Weight, 20 lbs. per bushel; sow 20 lbs. per acre. **By mail, postpaid, 30c per lb.**

CANADIAN BLUE GRASS. (*Poa Compressa.*)—One of the most vigorous grasses in cultivation, distinguished from Kentucky Blue Grass by its flattened, wiry stems and decidedly bluer color. Makes fine pasturage for grazing cattle. Although the hay is short it is heavy and rich, shrinking less in drying than most other grasses. Does remarkably well on dry, sandy and thin soils. Weight, 14 lbs. per bushel; sow 30 lbs. per acre. **By mail, postpaid, 30c per lb.**

CREEPING BENT. (*Agrostis Stolonifera.*)—A luxuriant grass of rapid growth and spreading habit, forming a strong durable turf of fine texture which makes it valuable for lawns and putting greens. Desirable in pasture mixtures and for sowing on moist lands. Weight, 20 lbs. per bushel; sow 40 lbs. per acre. **By mail, postpaid, 50c. per lb.**

CRESTED DOGSTAIL. (*Cynosurus Cristatus.*) Does best on rich, moist land but can accommodate itself to almost any soil. Forms a smooth, compact and lasting turf which makes it desirable for lawns; color the same as Kentucky Blue Grass. Should be used only in mixture with other grasses. Weight, 22 lbs. per bushel. **By mail, postpaid, 50c. per lb.**

ENGLISH or PERENNIAL RYE. (*Lolium Perenne.*)—A rapid growing variety, producing a strong verdant growth in from four to five weeks after sowing. Adapts itself to a diversity of soils. Valuable in mixture with other grasses. Weight 24 lbs. per bushel; sow from 40 to 50 lbs. per acre. **By mail, postpaid, 25c per lb.**

KENTUCKY BLUE GRASS. (*Poa Pratensis.*)—A true perennial grass widely distributed throughout Canada and the United States. Frequently called "June Grass," owing to its blooming in that month. One of the best pasture or lawn grasses, forming a thick permanent growth of short-bladed turf, which is hardy, durable, and little affected by

weather conditions or constant tramping after once well established. Usually advisable to sow in combination with other grasses. Weight 14 lbs. per bushel. Sow 40 lbs. per acre. **By mail, postpaid, 35c per lb.**

MEADOW FESCUE. (*Festuca Pratensis.*)—Also known as English Blue Grass. Recommended for use in permanent meadows and pasture mixtures. Prefers clays and other heavy soils and does extra well on wet or moist lands. It is one of the earliest grasses, and is sweet, tender, nutritious and well liked by all stock, never growing coarse or hard, and therefore is eaten without waste. Weight 24 lbs. per bush. Sow 25 lbs. per acre. **By mail, postpaid, 40c per lb.**



Meadow Fescue

MEADOW FOXTAIL.

(*Alopecurus Pratensis.*) One of the best permanent pasture grasses for rich, moist lands. Although it prefers moist, low lands, it accepts drier situations, and makes an earlier spring verdure than any other variety. Should be sown only in mixture with other grasses, say from 3 to 4 pounds per acre. **By mail, postpaid, 50c per lb.**

ORCHARD GRASS.

(*Dactylis Glomerata.*)

One of the most valuable and widely known of pasture grasses, coming earlier in the spring and remaining later in the autumn than others. It blooms, earlier than Timothy and about the same time as common Red Clover. Yields the same amount of hay as Timothy, and if cut at the right period, is nearly equal in feeding value. Weight, 14 lbs. per bush. Sow 30 lbs. per acre. **By mail, postpaid, 40c per lb.**



Awnless Brome Grass

RED TOP. (*Agrostis Vulgaris.*)—A valuable permanent grass, succeeding in almost any soil, but particularly suited to moist soils and low lands, where it reaches highest state of perfection. Makes good pasture when fed close, and is not affected by tramping; also desirable for use on lawns. Fancy Solid Seed. Weight, 36 lbs. to the measured bushel. Sow 20 lbs. per acre. **By mail, postpaid, 35c per lb.**

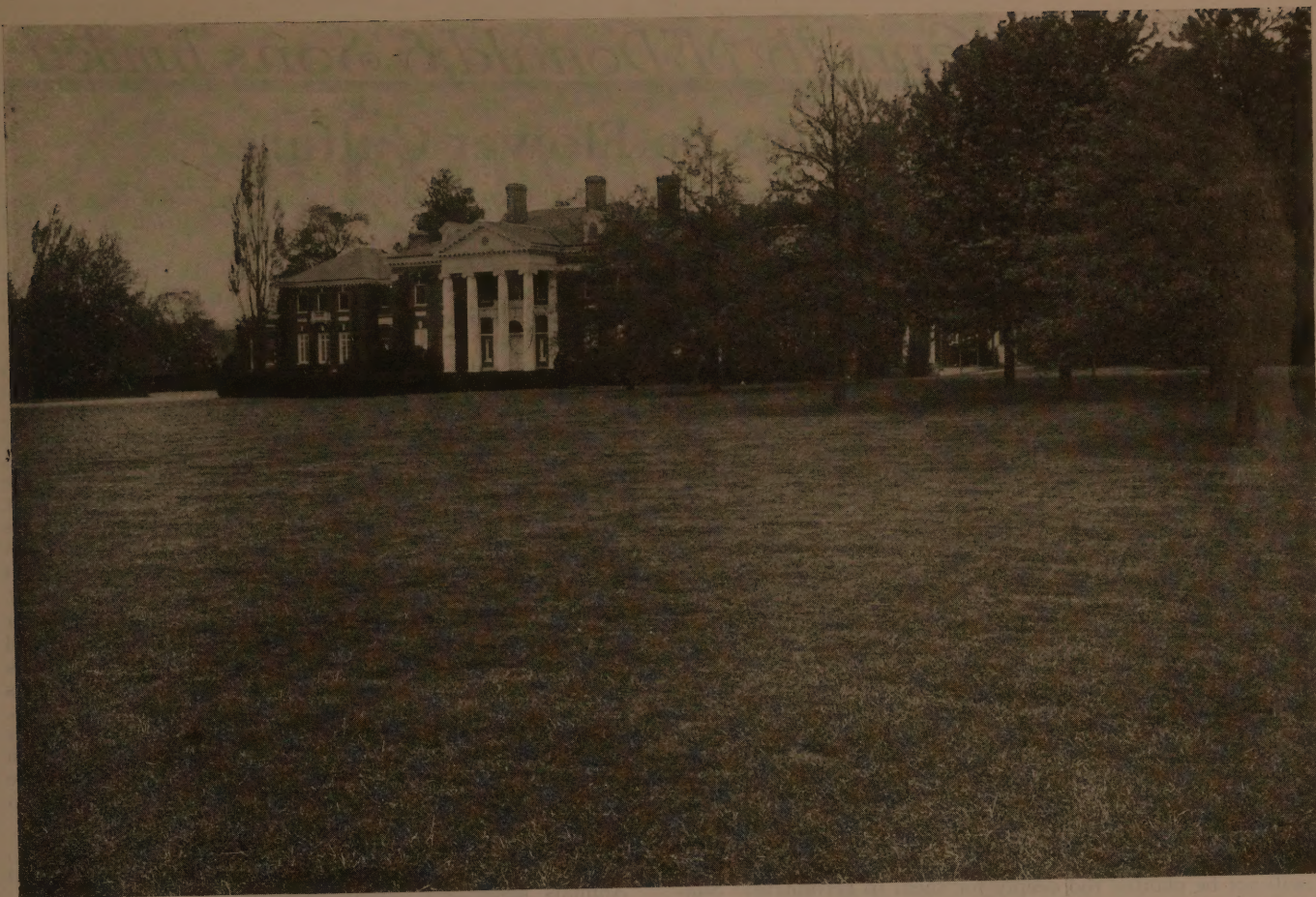
RHODE ISLAND BENT. (*Agrostis Canina.*)—Resembles Red Top, but has shorter and narrower leaves. Makes a fine, close turf, and is splendid for lawns in combination with other sorts. Adapts itself to almost any soil or situation. Sow at the rate of 50 lbs. per acre for lawns. **By mail, postpaid, 50c per lb.**

ROUGH STALKED MEADOW GRASS. (*Poa Trivialis.*)—Thrives on rich, moist soil and in sheltered situations, but does not do well on dry land. Valuable for forming bottom grass in mixtures for permanent pastures. Sow 30 lbs. per acre; 14 lbs. per bushel. **Price per lb. 60c.**

SHEEP FESCUE. (*Festuca Ovina.*)—Prefers dry uplands, yet thrives in poor, shallow, gravelly soil, where other sorts would fail. Resists extreme heat and cold. Though of dwarf growth, it yields a large amount of nutritious herbage, which is much relished by sheep. Sow 30 lbs. per acre. **By mail, postpaid, 50c per lb.**

TALL MEADOW OAT GRASS. (*Avena Elatior.*)—A hardy grass of thick growth; particularly suited to rich soils and clay formations, also makes excellent hay on sandy loams, but should be cut when in bloom. Valuable for pasture on account of its early luxuriant growth, which is of fine substance and relished by all cattle. Sow 40 lbs. per acre. **By mail, postpaid, 40c per lb.**

WOOD MEADOW. (*Poa Nemoralis.*)—Adapted to shady situations in lawns and woodland parks where other grasses will not grow. One of the first grasses in spring and makes a rich green growth. Permanent and hardy, resisting extremes of heat and cold. Sow 25 lbs. per acre. **By mail, postpaid, 70c per lb.**



These Lawn Grass Mixtures Beautify Your Home

Have you a lawn? No? Then decide to have one this year! Never mind if you have not a Manor house set in a forest of green—do the best you can with what you have. Many of the prettiest little lawns are those in towns and cities that are confined to the few feet in front of the house. Suburban and farm homes can be greatly improved in appearance by the making of a lawn around them. Take a look at the lawns of some of your friends and you will make one for yourself.

The ground should be evenly graded and well drained, and if not rich enough should get a liberal dressing of well-rotted barnyard manure well worked into the soil. Rake the surface until it is quite smooth and even, and firm the soil by rolling or treading. When quite smooth the ground should be loosened a quarter of an inch deep with a sharp-toothed rake. Seed should be sown evenly on a calm day using one pound to every 300 square feet. After sowing, go over again with roller to press seed into the soil, covering seed as little as possible. If the weather is dry, give a good watering occasionally till the young grass is well established, and as soon as it is three inches high commence to use lawn-mower and cut frequently. Thorough rolling is beneficial at any time. Good seed is essential. Our mixtures contain only the finest varieties of imported natural grasses.

MCDONALD'S EVERGREEN LAWN GRASS MIXTURE.—A mixture of fresh, vigorous seeds, of high germination and purity, permanent in nature, the varieties being carefully proportioned so that they will succeed each other in brightness of foliage, with the result that the lawn, even in its first year, will have a bright, rich green color from early spring till covered by snow.

MCDONALD'S EVERGREEN LAWN GRASS.—A high-grade mixture containing only choice seeds—especially suitable for tennis, croquet and ball grounds, remaining green and fresh throughout hot months. Extensively used for private and public parks. **Per lb. 35c; postpaid, 45c.**

MCDONALD'S PARK MIXTURE.—This mixture, while not containing so much of the higher-priced grasses as our Evergreen Lawn Grass, will give excellent results. **Per lb. 25c; postpaid, 35c.**

MCDONALD'S "COTTAGE" MIXTURE.—While the grasses used in this combination are high grade, they are less expensive and must not be expected to give the results obtainable from higher priced mixtures. **Per lb. 20c; postpaid 35c.**

"SHADY NOOK" LAWN GRASS MIXTURE.—A mixture of grasses which grow naturally in the woods, and of dwarf evergreen growth. Recommended for sowing under trees and in shady places where ordinary grasses will not thrive. **Per lb. 50c; postpaid 60c.**

MCDONALD'S TERRACE MIXTURE.—A satisfactory growth upon a terrace or embankment requires a special blend of grasses having thick, spreading roots. The soil is usually shallow and there is a strong likelihood of heavy rains washing out the grass unless it is strong and deep rooted. This mixture will be found ideal. **Per lb. 35c; postpaid 50c.**

MCDONALD'S GOLF LINK MIXTURE.—No grass mixture is more severely tested than that used for pleasure grounds. No other turf is required to stand such wear and rough usage; therefore it is necessary to sow grasses which will produce a thick and healthy growth. **Per lb. 35c; postpaid 50c.**

A WORD FROM MATTAWA.

"For several years past we have used your seeds, and have had good success. Results were everything that could be desired."—JOSEPH RICHARDS, Mattawa, Ont.

A Few Hints on Flower Culture

To secure the finest results in flowers grown from seed it is necessary to observe certain precautions, and to follow the practice of experienced growers, in planting seed and in caring for the plant when it begins to grow.

Many of the failures with flower seeds are caused by covering the seeds too deeply, so it is wise to follow explicit directions given on seed packets and to bear in mind the few general suggestions put before you in this limited space. As you know, there are three classes of flowers:—

ANNUALS:—Bloom the first year from seed and die after one season.

BIENNIALS:—Bloom the second year from seed and then die, though many will flower the first year if sown early in the spring.

PERENNIALS:—Bloom the second year from seed and the plant lives and blooms during successive years. Many varieties bloom the first year if started early in hot-bed or window boxes.

Many of the best annuals, such as Poppies, Mignonette, Alyssum, Sweet Peas, Candytuft, Larkspur, Sunflower, Portulaca, Morning Glory and Centaurea, need not be transplanted. The seeds should be sown in the soil where the plants are wanted—a border or bed well dug, liberally enriched with well rotted manure, and neatly finished off with a good garden rake.

Most varieties are small seeded, and should be sown on the surface of the bed, after which the seed should be pressed gently into the loose soil and lightly covered by again levelling the surface. Care must be exercised so that very fine seeds will not be planted too deeply for them to germinate. Sun-

flowers, Sweet Peas, Morning Glory and a few others, must be planted fairly deeply. Sweet Peas should be planted two or three inches deep.

Although seeds must not be sown too thickly a reasonable allowance should be made when sowing the smaller seeds, for possible failure of germination. If produced too thickly thin out when plants have attained a height of an inch or so.

Many annuals—including some of the choicest—will do better if planted out into permanent borders when several inches high. Seed should be started early, in hot-bed, greenhouse, or a warm situation in a dwelling house, in shallow boxes or flower pots. By keeping the soil warm and moist, they will germinate readily. When up place in some window close to the glass. If deprived of light and air a spindling growth and possibly worthless plants will be the outcome. Later in the spring such boxes can be taken outside and placed in a well-sheltered situation where the plants will soon attain the right size for planting.

In planting out, the best work is done in the evening or on cloudy days. In very dry weather the plants should be watered immediately after being set out. Most varieties may be handled with safety at any time, providing plants have not been growing too closely in the boxes or seed-beds. If too close thin out or transplant at distances of an inch or more into other boxes or frames when still very small. Such plants, if taken out with care, with soil adhering well to the roots, will not be affected by transplanting into the garden later on.

To aid you further we will send with your order, on request, cultural leaflets on Asters, Pansies, Sweet Peas; also "Annuals from Seed," and "Hardy Perennials."

Flower Seeds Classified for Easy Selection

This list will aid you in the selection of flower seeds for different locations. These varieties are all listed in the following pages. Your attention is called also to the general index, page 96.

Hardy Perennials. Flower second year from seed and thereafter. Suitable for massing in permanent borders.

Page	Page
Achillea.....57	Gypsophila Paniculata.....64
Aconitum.....57	Heliotrope.....66
Agrostemma.....57	Heuchera.....65
Alyssum (Golden).....57	Hollyhock.....65
Anchusa.....58	Hunnemannia.....65
Aquilegia (Columbine).....58	Incarvillea.....65
Arabis.....57	Linum.....65
Aubrietia.....58	Lobelia Cardinalis.....65
Bellis (English Daisy).....59	Lupinus Arboreus.....67
Coreopsis.....60	Lychnis.....66
Campanula.....59	Peas (Everlasting).....72
Candytuft (Semper-virens).....60	Pentstemon.....70
Chrysanthemum (Hardy Sorts).....61	Phlox (Hardy Sorts).....72
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Gaillardia.....64	Stachys.....74
Grandiflora.....64	Stokesia.....74
	Sweet Rocket.....73
	Sweet William.....75
	Valeriana.....75

Edging Plants from Seed. Suitable for borders also.

(H. P. ARE HARDY PERENNIALS)

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Alyssum.....55	Myosotis H.P.....63
Arabis H.P.....57	Nasturtium (Tom Thumbs).....68
Aubrietia H.P.....58	Nigella.....69
Candytuft (Dwarf Sorts).....60	Pyrethrum Aureum.....69
Ice Plant.....65	Sweet William.....75
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Garden Annuals and other Plants that bloom the first season from seed.

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Abronia.....55	Larkspur.....66
Acroclinium.....57	Lavatera.....67
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African Daisy.....62	Linaria.....66
Ageratum.....55	Lobelia.....65
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Celosia.....60	Petunia.....72
Centaurea.....60	Phlox.....72
Chrysanthemum (Annual Varieties).....61	Physalis.....71
Clarkia.....61	Poppy.....71
Convolvulus.....68	Portulaca.....73
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Dahlia.....80	Rudbeckia.....73
Dimorphotheca.....62	Salpiglossis.....73
Eschscholtzia.....63	Salvia.....74
Four O'Clocks.....67	Scabiosa.....74
Gaillardia (Annual Varieties).....64	Schizanthus.....5
Godetia.....64	Stocks.....74
Gypsophila Elegans.....64	Sunflower.....75
Helichrysum.....64	Sweet Peas.....76-77
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Jacobaea.....65	Verbena.....78
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	Viscaria.....75
	Xeranthemum.....75
	Zinnia.....78

Plants which are Suitable for Pot Culture that may be grown from seed as well.

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Abutilon.....55	Grevillea.....64
Ageratum.....55	Heliotrope.....64
Asparagus.....57	Linaria.....66
Calceolaria.....59	Mignonette.....69
Carnation.....60	Mimulus.....67
Cineraria.....61	Myosotis.....63
Coleus.....61	Nemesia.....69
Cyclamen.....61	Petunia.....72
Dracaena.....62	Primula.....73
Geranium.....64	Schizanthus.....5
	Stocks.....74

Plants which do well in Partial Shade from seed.

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Aquilegia.....58	Godetia.....64
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Canterbury Bells.....59	Oenothera.....69
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Delphinium.....63	Poppy.....71
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Popular Climbing Vines that grow from seed.

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Canary Bird Vine.....59	Moonflower.....67
Cobaea Scandens.....61	Morning Glory.....68
Convolvulus Major.....68	Nasturtium.....68
Cypress Vine.....62	Scarlet Runners.....74
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Gourds.....64	Everlasting Pea.....72
Humulus Japonica.....65	

FLOWER SEED DEPARTMENT

Be Proud of Your Flowers

MOST people who plant our seeds are very proud of their flowers, for no garden in the neighborhood, given the same care, can produce a greater profusion of beautiful blooms. This department receives our constant close attention, for we realize how important it is to maintain the fine strains for which we are known. You will be interested in our revised list which contains numerous new varieties.

Our selection of sweet peas, on which we specialize, is one of the best we have offered.



Alyssum "Little Dorrit"

75. LITTLE GEM.—Height about 6 inches. A dwarf, compact plant, completely covered with snow-white blossoms. It will commence flowering when quite small, blooming through summer until late in the fall. **Pkt. 10c.**

80. MARITIMUM (Sweet Alyssum).—Small, white, sweet-scented flowers. Height 6 to 9 inches. Annual. **Pkt. 5c.**

85. SAXATILE COMPACTUM (Golden Alyssum).—Perennial. Brilliant, golden-yellow flowers. **Pkt. 10c.**

Abronia (Sand Verbena)

Trailing plants with clusters of fragrant Verbena-like flowers. Admirably adapted for rockwork, or hanging baskets. The plant, though really perennial, is easily grown as a hardy annual.

5. UMBELLATA.—Flowers rosy pink, 6 inches. **Pkt. 5c.**

Abutilon (Flowering Maple)

Beautiful little bushes with handsome, bell-shaped flowers. They can be started in pots indoors and planted out after danger of frost is past. Cuttings are easily cultivated in pots for flowering indoors during the winter.

10. MIXED NEW HYBRIDS.—**Pkt. 10c.**

Ageratum *Agerate*

Very effective half-hardy annuals, especially useful for bedding, blooming all through the season. They are very easily grown and bloom quickly.

35. MAUVE BEAUTY (Novelty).—A new variety, having large mauve flowers. Plants are dwarf and compact in habit and free flowering. (Illustrated) **Pkt. 10c.**

40. MEXICANUM.—Lilac blue, 18 inches. **Pkt. 5c.**

45. BLUE PERFECTION.—This is the darkest colored of all large-flowering Ageratums grown from seed. Color deep amethyst blue. Plants are of compact growth and fine for bedding. **Pkt. 5c.**

Alyssum *Alysse*

Beautiful, low-growing, free flowering plants, suitable for rock-work, edgings and clumps in flower beds. Thrive in almost any soil or situation.

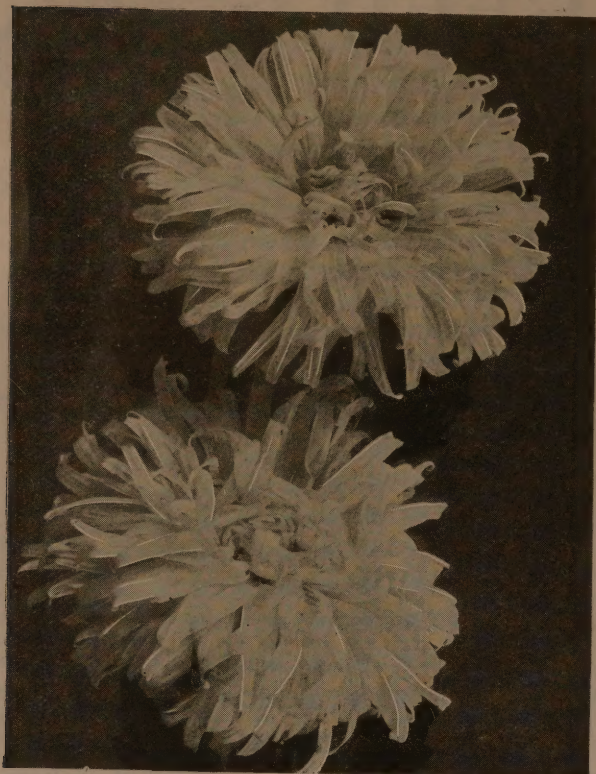
70. LITTLE DORRIT.—A great improvement on the well-known "Little Gem," being much more compact in habit. It forms a perfect little bush of white bloom. A gem for edgings or beds. 6 inches (Illustrated). **Pkt. 10c.**



Ageratum Mauve Beauty

ORDER FLOWERS BY NUMBER

McDONALD'S SELECTED ASTERS



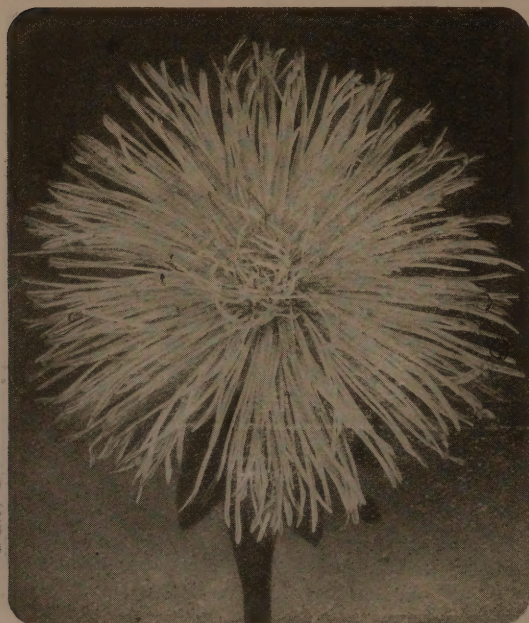
Aster—Giant Comet

210. GIANT COMET "GOLIATH" MIXED.—Our growers say it is "the largest and finest exhibition variety in existence." All colors mixed. (See Novelty Section). Pkt. 15c; 2 pkts. for 25c.

215. GIANT COMET FINE MIXED.—A very fine mixture of all the best colors. Pkt. 10c.

Giant Crego Asters

One of the largest flowering Asters, being of vigorous branching habit, and growing from 25 to 30 inches high. Flowers are very large and full double with long waved petals.



Aster—Eclipse

Specialists in Great Britain and on this Continent grow our Asters for us, ensuring the finest strains. Their adaptability to all soils and situations, ease with which they are raised, their freedom of bloom, and the size and lasting quality of flowers, have gained for them a foremost place among garden favorites. They yield to house treatment and pot culture, and as producers of cut flowers are unexcelled.

Giant Comet Asters

The most popular type of Aster now grown. Wherever shown, they win great admiration owing to their immense, gracefully-formed blooms. As many as 20 to 30 long-stemmed flowers are borne on the one plant, measuring from 4 to 6 inches in diameter. Flowers are beautiful, resembling the large-flowered Japanese Chrysanthemums with their long, elegantly curled petals. (Illustrated).

- | | |
|------------------------------------|-----------|
| 170. GIANT COMET WHITE..... | Pkt. 10c. |
| 175. GIANT COMET LIGHT YELLOW..... | Pkt. 10c. |
| 180. GIANT COMET ROSE..... | Pkt. 10c. |
| 185. GIANT COMET CRIMSON..... | Pkt. 10c. |
| 190. GIANT COMET AZURE..... | Pkt. 10c. |
| 195. GIANT COMET DARK BLUE..... | Pkt. 10c. |
| 200. GIANT COMET MAUVE..... | Pkt. 10c. |

Any three of the
above for 25c.

205. Collection
containing 1 packet
of each of the above
seven colors, 50c.



Aster—Improved Victoria (Reduced)

- 225. CREGOS GIANT PINK.**—Beautiful light pink. Pkt. 15c.
220. CREGOS GIANT WHITE. Pkt. 15c.
230. CREGOS GIANT PURPLE.—Lovely dark shade. Pkt. 15c.

Ostrich Plume Asters

A magnificent Aster with immense double, almost globular, flower heads with long curled petals.

- | | |
|--------------------------------------|-----------|
| 270. OSTRICH PLUME WHITE..... | Pkt. 10c. |
| 275. OSTRICH PLUME ROSY PINK..... | Pkt. 10c. |
| 280. OSTRICH PLUME DARK BLUE..... | Pkt. 10c. |
| 285. OSTRICH PLUME CRIMSON..... | Pkt. 10c. |
| 290. OSTRICH PLUME DARK SCARLET..... | Pkt. 10c. |
| 295. OSTRICH PLUME FINEST MIXED..... | Pkt. 10c. |

250. PURITY.—Color a clear glistening white. An early bloomer, strong grower, flowers continuously till frost. 15 inches. Pkt. 10c.

255. PEERLESS PINK.—Flowers large and double; color, rich shell pink. Pkt. 10c.

260. DAYBREAK.—One of the most popular mid-season Asters. Flowers delicate pink, very large and double. Pkt. 10c.

265. PEONY FLOWERED PERFECTION.—18 inches high; large, finely formed, incurved blooms. All colors. Pkt. 10c.

307. ECLIPSE. A delicately beautiful Aster which will appeal to refined tastes. Form of flowers is well shown in accompanying illustration. Various choice shades mixed. Pkt. 15c.

235. VICKS PINK ENCHANTRESS.—Upright in habit; plants vigorous; leaves broad, stems graceful and strong, supporting large, full double-delicate pink blooms. (Illustrated). **Per pkt. 15c.**

300. KELWAY'S PERFECT MODEL GLOBE QUILLED.—Finest of all Quilled Asters. Varieties handsome and distinct; flowers perfectly semi-globular and up to exhibition standard. Awarded special certificate by the Royal Horticultural Society, England. Also first prize and gold medal, Paris Exposition. Mixed colors in original sealed packets, **25c.**

310. DWARF CHRYSANTHEMUM FLOWERED. A fine, full double, dwarf Aster with very large flowers. Excellent for bedding or pots, height 1 foot. **Pkt. 5c.**

315. QUEEN OF THE MARKET.—Best early Aster. Plants 12 to 18 inches. Splendid for cutting as the large double flowers are borne on long stems. Our strain is a new selection blooming three weeks earlier than most Asters. All colors mixed. **Pkt. 10c.**

320. IMPROVED VICTORIA.—Plants bear from 10 to 20 beautiful reflexed flowers and are pyramidal in form. Very fine mixed. (Illustrated) **Pkt. 10c.**

325. LATE BRANCHING.—Plants 18 inches high, and blossoms, large and full-petaled, are borne on long stems. Flowers rich and showy and bloom continuously September till frost. All colors mixed. (Illustrated). **Pkt. 10c.**

330. QUILLED MIXED.—Plants tall and branching; attaining height of two feet. Flowers double, large and beautifully quilled. Fine mixed. **Pkt. 5c.**

335. PERENNIAL ASTERS (Michaelmas Daisies). Very showy and useful hardy perennials, good for cutting. They thrive in any good garden soil and flower the first season if sown early. **Pkt. 10c.**

Achillea (Milfoil or Yarrow)

One of the most desirable hardy plants for the perennial border.

15. THE PEARL.—Beautiful bushy plants, 2 feet, covered with heads of pure white double flowers. Good for cut blooms. **Pkt. 10c.**

Aconitum (Monkshood)

Very showy hardy perennials with long spikes of hood-shaped flowers.

20. NAPELLUS.—Very hardy, blue, 4 feet. **Pkt. 10c.**



Aster—Late Branching



Aster-Vicks Pink Enchantress

Acroclinium

A fine annual with everlasting flower heads, which when cut in the bud state can be dried and used in winter bouquets.

25. MIXED.—Per pkt. 5c.

Adonis Adonide

PHEASANT'S EYE.—Very pretty, early-blooming hardy annual, with feathery, fresh green foliage.

30. AUTUMNALIS.—Crimson flowers, dark eye. **Pkt. 5c.**

Arabis (Rock Cress) Arabette

Very early and pretty spring flowers suitable for rockwork and flower borders.

150. ALPINA.—Flowers pure white, resembling Sweet Alyssum and completely covering the plant. Perennial. 6 inches. **Pkt. 5c.**

Arctotis

Strong growing and free blooming annuals from South Africa.

155. GRANDIS.—A handsome white Marguerite flower for cut bloom. 3 inches across with light blue center. Flowers constantly from early summer till frost. **Pkt. 10c.**

Asparagus Asperges

Excellent house plants, largely grown in hanging baskets. Fine for bouquets.

160. PLUMOSUS NANUS.—Graceful, fern-like, bright green foliage. Much admired for conservatory and general floral decoration. **Pkt. 25c.**

165. SPRENGERI.—A favorite hanging basket plant. Easily grown from seed. **Pkt. 10c.**

Agrostemma Coquelourde

Well known and free blooming herbaceous plant. Excellent for permanent borders.

50. CORONARIA (Rose Champion).—A very pretty species with lovely rose flowers. Perennial. 18 inches. **Pkt. 5c.**



Aquilegia—Long-Spurred Hybrids

One of the showiest flowers for cutting, bearing long spikes of gorgeously colored flowers. They are easily grown and will flower profusely the first season. Though perennials, they are best treated as annuals. Seed started indoors during February or March will flower in July and continue till frost. (Illustrated).

100. MAJUS. SPLENDID MIXED.—A selection of the Giant Flowering Snapdragons, containing 30 of the finest varieties. **Pkt. 10c.**

105. MAJUS ROSE.—Beautiful deep rosy pink. **Pkt. 10c.**

110. HALF DWARF MIXED.—These grow about 18 inches high and are consequently better adapted for bedding. Flowers are large and produce a fine mass of bloom till late in the season. **Pkt. 10c.**

115. TOM THUMB MIXED.—Plants about 6 inches high. Flowers of many beautiful colors. **Pkt. 5c.**

120. VENUS (Novelty).—A lovely shade of pink on a white ground, with pure white throat. Flowers are very large and of finest form. **Pkt. 10c.**

Aquilegia (Columbine) *Ancolie*

This is a most desirable border plant, coming into bloom quite early. The beautifully shaped flowers are daintily set on long stems; fine for cutting.

130. CHRYSANTHA.—Bright yellow with long spurs, 3 feet. **Pkt. 10c.**

135. CÆRULEA HYBRIDA.—Large, long-spurred blue and white flowers; 2½ feet. **Pkt. 10c.**

140. LONG-SPURRED HYBRIDS.—A specially selected strain consisting of the choicest colors in the long-spurred varieties. Extra fine. (Illustrated). **Pkt. 15c.**

145. FINEST DOUBLE MIXED.—Many varieties. **Pkt. 5c.**

Balsam (Lady's Slipper) *Balsamine*

A well-known annual, and one of the showiest summer-blooming plants. Flowers are of a delicate, waxy texture, perfectly double and of the most exquisite colors. Balsams are easily raised from seed and bloom freely, succeeding best in sunny locations. The new Camellia Flowered varieties are great improvements on the old sorts and will be a revelation to those who have never grown them. Height 2 feet.

350. CAMELLIA FLOWERED WHITE...... **Pkt. 5c.**

355. CAMELLIA FLOWERED BLUE...... **Pkt. 5c.**

360. CAMELLIA FLOWERED CRIMSON...... **Pkt. 5c.**

365. CAMELLIA FLOWERED ROSE...... **Pkt. 5c.**

370. CAMELLIA FLOWERED SULPHUR YELLOW...... **Pkt. 5c.**

375. CAMELLIA FLOWERED SALMON...... **Pkt. 5c.**

384. One packet each of above six colors **25c.**

380. CAMELLIA FLOWERED MIXED...... **Pkt. 5c.**

Bartonia

Very showy, free blooming plants with large, golden-yellow flowers.

385. AUREA.—Easily grown hardy annual. Does well in partially shaded locations. 18 inches. **Pkt. 5c.**

Aubretia (False Wall Cress)

Hardy perennial evergreen trailer of dense habit. They flower very early in spring and the dwarf cushion-like growths, when covered with their purple blossoms, present a pretty sight.

340. GRÆCA.—Very dwarf, good for rockwork. **Pkt. 10c.**

Ammobium

90. ALATUM GRANDIFLORUM.—Hardy annual everlasting flowers, pure white. The plant is of erect habit and grows 3 feet high. **Pkt. 5c.**

Anchusa *Buglosse*

One of the finest hardy perennials which should be in every herbaceous border.

95. DROPMORE VARIETY.—Provides one of the most beautiful blues in nature. A magnificent, hardy plant, growing 4 to 5 feet high, and blooming from June till late fall. Its lovely gentian-blue flowers are borne on graceful stems. Excellent for cutting. **Pkt. 10c.**

Antirrhinum (Snapdragon)

Muflier



Antirrhinum (Snapdragon)

Bellis (English Daisy) *Paquerettes*

A popular perennial plant for edgings and borders. Height about 6 inches. Splendid companion to the Pansy and Forget-me-not. Delights in shady places. If planted early, will bloom first year.

395. SNOWBALL.—Largest and best pure, white Daisy. Flowers borne on long stems making them excellent for cutting. **Pkt. 10c.**

400. GIANT DOUBLE MIXED.—A splendid mixture of the finest shades. (Illustrated). **Pkt. 10c.**

Brachycome

Free flowering and easily grown hardy annuals of dwarf habit.

405. LITTLE BLUE STAR.—Plants are literally covered with a profusion of bright, blue starry flowers. Free flowering and compact. (Illustrated). **Pkt. 10c.**

Campanula (Bell Flower) *Campanule*

Beautiful, hardy perennials bearing a great profusion of attractive blue and white bell flowers. Will flower first season if sown early.

475. PYRAMIDALIS BLUE.—A remarkably handsome species growing 4 feet high and flowering first season from early sowings. **Pkt. 10c.**

480. PYRAMIDALIS ALBA.—A pure, white form of the above. **Pkt. 10c.**



Daisy—Giant Double Mixed

Calceolaria

Popular greenhouse perennials. Sow seed any time between the end of April and middle of August, and allow plants plenty of ventilation.

410. PRIZE MIXED.—Flowers are of very large size and perfect form, while the variations and markings are endless. Contains unique shades of rose, pink, and coppery red. **Pkt. 25c**

Calendula (Pot Marigold) *Souci*

Showy annuals, blooming early summer to late fall: 12 inches.

415. METEOR.—Orange, striped primrose. **Pkt. 5c.**

420. ORANGE KING.—Intense glowing orange. **Pkt. 5c.**

425. PRINCE OF ORANGE.—Rich orange. Very fine. **Pkt. 5c.**

430. SULPHUR QUEEN.—Clear sulphur yellow. **Pkt. 5c.**

435. CHOICE MIXED VARIETIES.—**Pkt. 5c.**

Canary Bird Vine *Capucines des Canaries*

Favorite annual climber, with an abundance of fine foliage and bright yellow blossoms. You should try this one.

520. TROPEOLUM CANARIENSE.—Ideal for arbors or trellises; height 10 feet. Flowers profusely all summer. $\frac{1}{2}$ oz. 15c; **Pkt. 5c.**



Brachycome—Little Blue Star

507. PERSICIFOLIA MOERHEIMI.—One of the finest hardy Bell flowers; 2 to 3 feet; fine, pure white, saucer-shaped flowers. (Illustrated). **Pkt. 15c.**

515. PYRAMIDALIS MIXED.—**Pkt. 10c.**

Campanula Media (Canterbury Bells)

Very popular hardy biennials growing 2½ feet high, and flowering in June. Exceedingly effective in borders. (Illustrated).

All our Canterbury Bells have been most carefully selected.

485. SINGLE WHITE...... **Pkt. 5c.**

490. SINGLE ROSE...... **Pkt. 5c.**

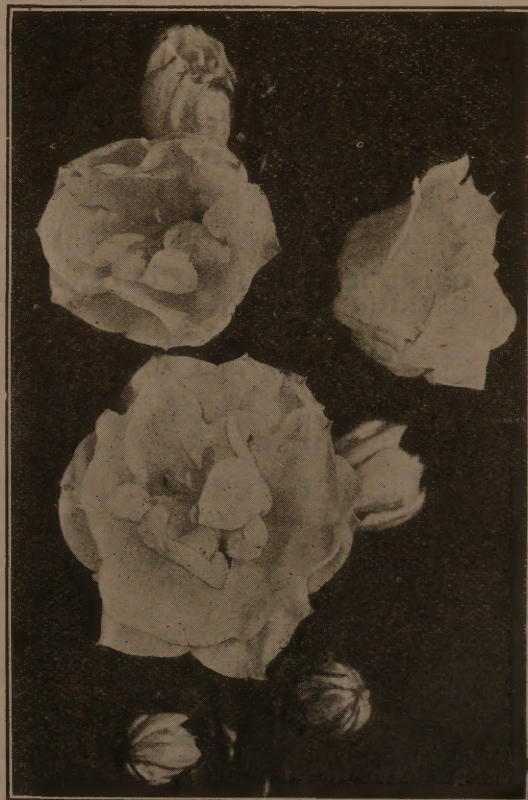
495. SINGLE BLUE...... **Pkt. 5c.**

500. SINGLE MIXED...... **Pkt. 5c.**

505. DOUBLE MIXED...... **Pkt. 5c.**

510. CALY-CANTHEMA MIXED.

—The new calyx-flowered or Cup and Saucer Canterbury Bells. Very showy and of good pyramidal habit. 2 feet. **Pkt. 10c.**



Campanula Persicifolia Moerheimi



Calliopsis—Tom Thumb "Beauty"

535. **PURPLE.**—Height 1 foot. Pkt. 5c.
 540. **DUNNETTS DARK CRIMSON.**—Brilliant colors. Pkt. 5c.
 545. **MIXED COLORS.**—Very fine. Pkt. 5c.

Calliopsis (Coreopsis)

Showy and beautiful free flowering plants producing an abundance of lovely Marguerite-like or daisy flowers in beautiful shades.

440. **DRUMMONDII (Golden Wave).**—Flower heads golden-yellow with a zone of dark crimson encircling the eye. Annual. Pkt. 5c.
 445. **BICOLOR TINCTORIA.**—Deep golden-yellow with maroon blotches at base of petals. Annual. Pkt. 5c.
 450. **GRANDIFLORA.**—Rich, yellow flowers on long stems. Height 2 feet. Perennial. Will flower first year if sown early. Pkt. 5c.
 455. **LANCEOLATA GRANDIFLORA.**—Large, golden-yellow flowers. Fine for cutting. Perennial. Pkt. 10c.
 460. **CORONATA.**—Showy, large, yellow flowers. Annual. Pkt. 5c.
 465. **TOM THUMB BEAUTY.**—Accompanying illustration conveys some idea of the beauty of this superb, new Calliopsis. The plant grows about 8 inches high and forms a perfectly compact little bush covered with flowers. Color is a bright, golden yellow, with crimson centre. Its free blooming character makes it a gem for borders, while it is equally valuable for pot culture. Pkt. 10c.

Candytuft *Thlaspi*

A showy, free-flowering class of annuals of compact, bushy habit, very hardy and easily grown. Among our best flowers for edging or bedding.

525. **GIANT HYACINTH FLOWERED WHITE.**—A magnificent introduction, each plant having five or six heads of bloom. Its fine, spiral spikes of purest white make it very attractive for beds or borders. 1 foot. Pkt. 10c.
 530. **GIANT EMPRESS WHITE.**—Very large, long trusses of pyramidal blooms. Pkt. 10c.
 550. **PERENNIAL CANDYTUFT (Iberis Sempervirens).** Hardy evergreen plants which form large spreading tufts that, in spring, are thickly covered with snow white flowers. Height 9 to 12 inches. Pkt. 10c.

Canna *Balisier*

It is not generally known that these fine bedding plants can be grown from seed, and will bloom the first summer if sown early in house or hot bed. Pierce the hard coat of the seed with a file and soak in water for 24 hours before sowing.

555. **CROZY'S NEW HYBRIDS.**—One of M. Crozy's best introductions. An excellent mixture of all shades. Pkt. (10 seeds) 10c.

Carnation *Oeillets Marguerite*

Imported from eminent growers, and sure to produce a large percentage of double flowers of excellent quality. Carnations flower most freely when raised from seed.

565. **MARGUERITE MIXED.**—Extra early strain flowering in about four months. Fragrant flowers, full double and beautifully fringed, are borne in profusion. Splendid for cut flowers. Pkt. 10c.
 570. **FINE MIXED SEEDLINGS.**—Saved from a rich collection; will produce a wide variety of finest colors. Pkt. 5c.

Celosia Plumosa *Celosie a Panache*

These beautiful Feathered Cockscombs are easily and quickly grown from seed. Plants are of pyramidal growth with beautiful, showy plumes resembling ostrich feathers. Splendid for bedding, height 2½ to 3 feet. Annuals

575. **OSTRICH FEATHERED CRIMSON.**—Pkt. 10c.
 580. **OSTRICH FEATHERED ORANGE.**—Pkt. 10c.

Celosia Cristata *Crete de Coq*

Favorite dwarf-growing Cockscombs producing rich crimson combs of enormous size. Height 8 inches. Annuals.

585. **EMPRESS.**—Rich crimson combs, dark foliage. Pkt. 10c.
 590. **DWARF CRIMSON.**—Very fine. Pkt. 5c.

Centaurea (Cornflower) *Bleuets*

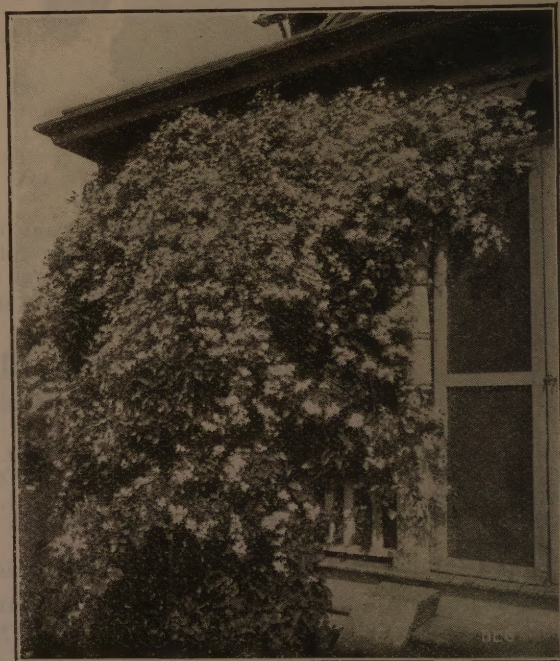
Bright flowered hardy annuals of easy culture.

600. **IMPERIALIS.**—Plants of bushy growth, 3 feet in height, covered with large, long-stemmed, double flowers which are delightfully fragrant. Mixed colors. Pkt. 10c.
 605. **CYANUS MINOR.**—The favorite blue Cornflower so much in demand for cutting. Pkt. 5c.
 610. **GYMNOCARPA (Dusty Miller).**—This beautiful variety is grown exclusively as a foliage plant. Finely cut, silvery leaves. Pkt. 10c

Clematis *Clematite*

Beautiful, hardy perennial climber. Seed is slow to germinate and should be soaked in water for 24 hours before planting.

675. **PANICULATA.**—Attains a height of 10 to 40 feet; an excellent climber for verandahs or fences. White. (Illustrated) Pkt. 10c.



Clematis Paniculata

Chrysanthemum *Chrysanthemum*

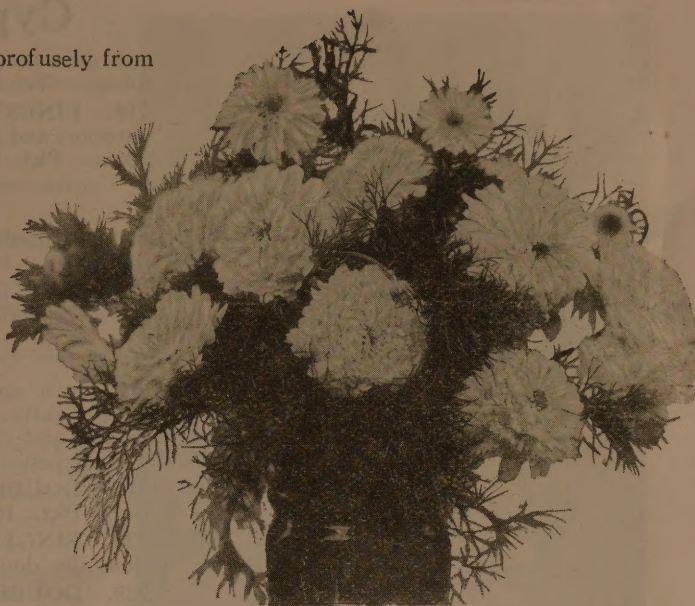
Invaluable for cut flowers and border decoration. Blooms profusely from early summer till frost. Height 1 to 1½ feet.

- 615. TRICOLOR MIXED.**—Fine hardy annual. **Pkt. 5c.**
620. CORONARIUM DOUBLE MIXED.—Lovely double, yellow flowers. **Pkt. 5c.**
625. INODORUM SNOWBALL.—Very fine double white. Annual. Good for cutting. (Illustrated). **Pkt. 10c.**
630. SEGETUM HELIOS (Evening Star).—Large, bright golden yellow flowers. Good for cutting. Annual. **Pkt. 10c.**
635. SEGETUM (Morning Star).—Large primrose colored flowers. Annual. Good for cutting. **Pkt. 10c.**
640. KING EDWARD VII.—New. One of the largest white flowers of the maximum class. Perennial. **Pkt. 25c.**
645. SHASTA DAISY.—The great white California Daisy, Burbank's creation, with its large white flowers borne on long stems, never fails to command attention. **Pkt. 15c.**

Clarkia

A showy and pretty hardy annual of easy cultivation. Blooms from midsummer till late autumn.

- 665. PULCHELLA TOM THUMB.**—Double flowers in white, purple and crimson shades. 1 foot. Mixed colors. (Illustrated). **Pkt. 10c.**
670. ELEGANS DOUBLE MIXED.—Beautiful mixture of new shades. **Pkt. 5c.**



Chrysanthemum—Inodorum Snowball

Cineraria *Cineraria*

- 650. STELLATA.**—Charming Star Cineraria, spreading panicles of lovely flowers. **Pkt. 25c.**
655. SUPERB MIXED.—A remarkably good strain, compact in habit with immense flowers exhibiting an infinite range of beautiful shades of color. **Pkt. 25c.**
660. MARITIMA DIAMOND.—A greatly improved variety of the silver-leaved Cineraria usually called Dusty Miller. The leaves are pure white, quite equal in color to Centaurea Candidissima. **Pkt. 10c.**

Cobaea (Cathedral Bells) *Cobea*

Rapid-growing climbers. Sometimes attain a height of 30 feet.

- 680. SCANDENS.**—Large, purple bell-shaped flowers. Biennial **Pkt. 5c.**

Coleus

Favorite ornamental foliage plants for house or garden culture. Tender perennial. 1½ feet.

- 685. CHOICEST AND NEWEST VARIETIES.**—Saved from one of the most excellent collections. Quite unsurpassed. **Pkt. 25c.**

Cosmos

Annuals 4 to 6 ft. Beautiful large flowers. Graceful, fern-like foliage.

- 690. DOBBIE'S EARLIEST FLOWERING.**—The earliest flowering strain of Cosmos in cultivation. Will flower in June if started early in house or hotbed. Award of Merit, Royal Horticultural Society. Mixed colors. (Illustrated.) **Pkt. 10c.**
695. MAMMOTH PERFECTION.—An improvement over the old sorts but later in flowering than preceding variety. **Pkt. 10c.**

Wild Cucumber

- 700. ECHINOCYSTIS LOBATA.**—Pretty white blossoms, followed by an abundance of ornamental, prickly, seed pods. Never infested by insects. **Oz. 25c; Pkt. 5c.**

Cyclamen

Seed may be sown during spring or autumn. It is advisable to raise fresh stock annually.

- 705. PRIZE VARIETIES MIXED.**—Contains best forms and every shade of color. Unusual selection. **Pkt. 25c.**



Clarkia—Pulchella Tom Thumb



Cypress Vine (*Ipomoea Quamoclit*)

A most beautiful, rapid-growing climber with delicate, dark-green, feathery foliage. Tender annual. 15 feet.

710. FINEST MIXED.—Scarlet and white star-shaped blossoms. Sow outdoors and cover seed half an inch deep. Thin the young plants six inches apart. **Pkt. 5c.**

Dolichos (*Hyacinth Bean*)

A fine climber with clusters of lovely, white flowers followed by ornamental seed pods. Tender annual. 10 to 15 feet.

730. DAYLIGHT.—Heart shaped foliage with white, pea shaped blossoms. A very superior variety. **Pkt. 10c.**

Dahlia

Favorite autumn flowering plants, blooming the first season from seed if started early. Flowers are so symmetrical and perfect, and range of colors so wide and varied, that they will always be popular where display is wanted. Tender perennials. 3 to 4 feet high.

715. DOUBLE MIXED.—A fine mixture of choice double-flowering varieties. **Pkt. 15c.**

720. SINGLE MIXED.—Many flower lovers consider these more beautiful than the double varieties. Brilliant colors. **Pkt. 10c.**

725. DOUBLE CACTUS MIXED.—Choicest cactus varieties in fine mixture. (Illustrated). **Pkt. 10c.**

Dianthus (*Pinks*) *Oeillet de Chine*

The Dianthus family furnishes many of the most beautiful and popular flowers. Chinese and Japanese Pinks are old-fashioned favorites and as a class are more varied in color than Carnations, but lack their fragrance. Both the single and double Pinks are well adapted for bedding and borders, and are suitable also for cutting, as the stems are of good length, and the brilliantly colored flowers contrast vividly with the bright green foliage. Though some are perennials, they are best treated as annuals, as they bloom very quickly from seed.

765. DOUBLE JAPAN HEDDEWIGGI.—Colors vary from richest velvety crimson to most delicate rose. Double mixed. (Illustrated). **Pkt. 5c.**

770. CHINENSIS DOUBLE MIXED.—White and dark crimson shades predominate in this splendid mixture. Brilliant colorings and markings. **Pkt. 5c.**

775. CHINENSIS SINGLE MIXED.—**Pkt. 5c.**

780. LACINIATUS FL. PL. SNOWDRIFT.—This is the finest large flowered variety of Japanese annual Pink. The beautifully fringed double flowers measure 3 inches across and are of purest, snowy white. **Pkt. 10c.**

Dimorphotheca (*African Daisy*)

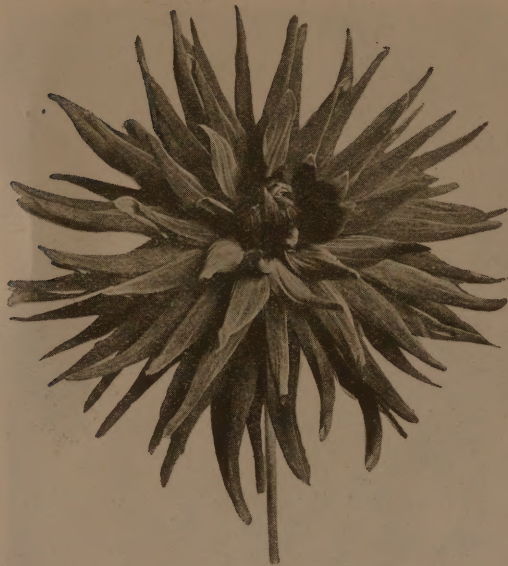
A unique and strikingly beautiful annual of easiest culture. Plants grow 12 to 15 inches high, are of neat, branching habit, and bloom very early and abundantly.

805. AURANTIACA. The popular "African Golden Orange Daisy" **Pkt. 5c.**

810. AURANTIACA HYBRIDA. These superb new hybrids show the richest variations of color, ranging from purest white to sulphur lemon, golden yellow, orange, salmon and rose. Very hardy, extremely showy and easily grown. **Pkt. 10c.**



Dimorphotheca (*African Daisy*)



Dahlia—Double Cactus Mixed.



Dianthus, Heddewiggi

Dracæna

Very ornamental plants with gracefully recurved foliage.
815. INDIVISA.—The favorite variety for growing in pots, vases, or window boxes. **Pkt. 10c.**

Digitalis (Foxglove) *Digitale*

Stately, old-fashioned hardy perennials which are seen to best advantage in the back of the perennial border. (Illustrated).

790. GLOXINIÆFLORA.—Flowers have spotted throats resembling Gloxinias. Greatly improved strain. Mixed colors. **Pkt. 10c.**

795. MONSTROSA.—Very long spikes. This variety has a remarkably odd variation, each flower spike being surmounted by a large bell-shaped flower. **Pkt. 10c.**

800. FINE MIXED.—Containing white, purple, pink and yellow shades. **Pkt. 5c.**

Delphinium *Pied d'Alouette Vivace*

Among Delphiniums occur some of the most lovely blue flowers the garden produces. Their stately habit and unique colorings make them universal favorites, and where bold effect is desired, they are unsurpassed.

735. KELWAY'S CHOICE SHOW VARIETIES.—The finest strain of Delphinium procurable. **Pkt. 25c.**

740. HYBRIDUM.—Extra large flowers on long spikes, comprising most brilliant colors. **Pkt. 20c.**

744. FORMOSUM.—This variety produces two colors rare among flowers—a lovely shade of pale blue and a blue of much deeper tint. **Pkt. 10c.**

745. CARDINALE.—Beautiful scarlet flowers. **Pkt. 15c.**

750. BELLADONNA.—This beautiful, sky-blue, hybrid variety comes quite true from seed and is very robust and free flowering. Hardy and splendid for cutting. **Pkt. 15c.**

755. NEW LARGE FLOWERING HYBRIDS.—All shades of blue from best named varieties only. Choicest mixed. **Pkt. 10c.**

760. FINE MIXED.—**Pkt. 5c.**

Echinops (Globe Thistle)

Hardy perennial admirably adapted for borders and shrubberies. Height 3 to 4 feet.

820. RITRO.—Large spherical heads of blue flowers on long stems. **Pkt. 5c.**

Forget-Me-Not (Myosotis)

Hardy, spring-flowering perennials, succeeding best in rich, moist soils. Does well in shade.

845. VICTORIA.—This Forget-me-not is of robust habit, growing only about 5 to 7 inches in height, covered with bright, azure blue flowers. **Pkt. 10c.**

850. PALUSTRIS SEMPERFLORENS (New)—This variety flowers continuously from spring until autumn. Flowers are large and of a beautiful azure blue. Creeping habit; prefers a moist situation. **Pkt. 10c.**

855. CHOICE MIXED. **Pkt. 5c.**

Eschscholtzia (California Poppy) *Pavot de Californie*

Very showy hardy annuals, which produce a brilliant effect in beds. 1 to 1½ feet high. (Illustrated.)

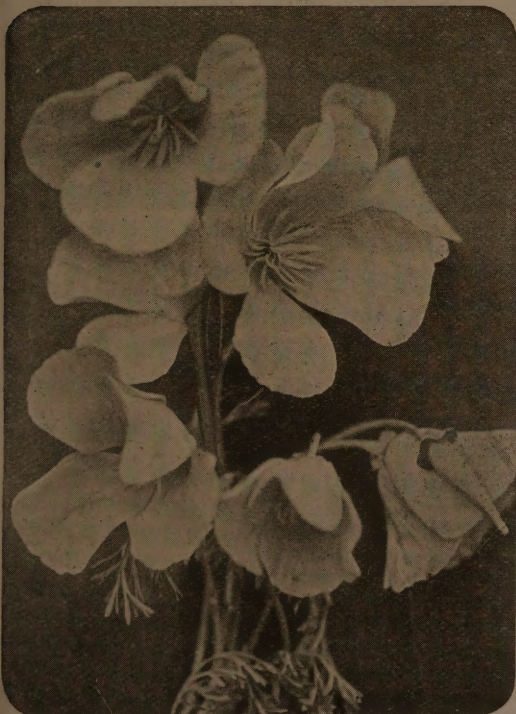
825. MANDARIN.—Very fine deep orange scarlet flowers. **Pkt. 5c.**

830. CALIFORNICA. Bright lemon yellow flowers. **Pkt. 5c.**

835. CARMINE KING.—The deep lustrous carmine shade is quite novel. Award of Merit, Royal Horticultural Society. **Pkt. 10c.**



Digitalis (Foxglove)



Eschscholtzia (California Poppy)



Godetia

Godetia

These attractive hardy annuals are particularly useful because of their adaptability to grow in shady places where so few really fine flowers can be grown. The large flowers are of a shining, satiny texture, and are borne in the utmost profusion. (Illustrated).

890. CRIMSON GLOW. (New.)—Very fine Godetia for bordering, growing about 9 inches high. Completely covered with clusters of large, deep, crimson flowers. Fine compact stock. **Pkt. 10c.**

895. THE BRIDE.—Pale pink and white. **Pkt. 5c.**

900. SCHAMINI, FL. PL.—The new, double rose Godetia, greatly admired. Flowers are double, of a bright rose color, and very effective for bedding or cut blooms. Height 2 feet. **Pkt. 5c.**

905. LADY SATIN ROSE.—One of the most beautiful of all varieties. Flowers are of a deep rose pink, shining like satin. **Pkt. 5c.**

910. DWARF COMPACT VARIETIES.—Best for bordering. Mixed colors. **Pkt. 5c.**

Geranium

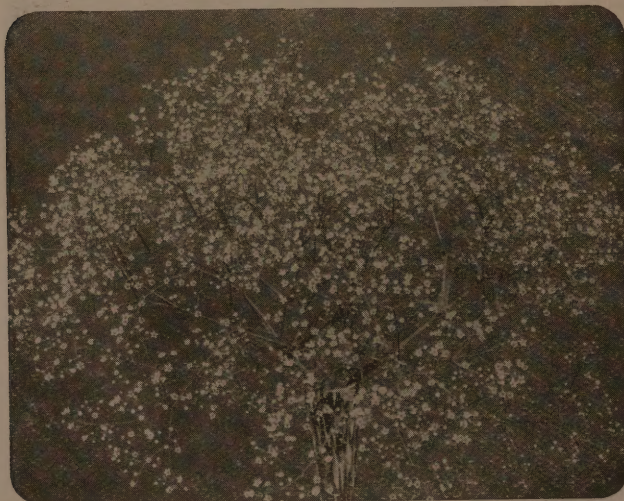
A well known and popular tender perennial, 1 to 2 feet.

885. ZONALE VARIETIES.—Saved from choicest collections. Mixed. **Pkt. 10c.**

Gourds *Courge d'Ornement*

Hardy annual climbers with peculiarly shaped and brightly colored fruits. Very desirable where an immense amount of foliage is required.

915. JAPANESE NEST EGGS.—This gourd is egg-shaped and the fruits can be used as poultry nest eggs. **Pkt. 5c.**



Gypsophila (Baby's Breath).

Gaillardia *Gaillardie*

Showy bedding and border plants remarkable for the profusion and brilliancy of their flowers. (Illustrated).

865. PICTA.—Crimson with gold margin. Annual. Single. **Pkt. 5c.**

870. PICTA LORENZIANA.—Fine double. Annual. **Pkt. 5c.**

880. ANNUAL VARIETIES MIXED.—Choice mixture. **Pkt. 5c.**

875. GRANDIFLORA COMPACTA.—Perennial, blooming first season from seed. Ray flowers ranging from red to yellow, around a dark maroon centre. **Pkt. 5c.**

Gypsophila (Baby's Breath)

Pretty, free flowering plants yielding an abundance of tiny white flowers on elegant stems. (Illustrated).

940. ELEGANS.—A beautiful, hardy annual variety with delicate sprays of white flowers. Every garden should have some of this variety, as it is unexcelled for mixing with Sweet Peas and other bouquets, also for table decoration. **Pkt. 5c.**

945. PANICULATA COMPACTA.—Perennial. 2 feet. **Pkt. 5c.**



Gaillardia

920.

HERCULES CLUB.—

Fruit is club-shaped, sometimes growing four feet long. **Pkt. 5c.**

925. CALABASH or PIPE.—Used for making pipes. **Pkt. 5c.**

930. MIXED ORNAMENTAL.—A splendid collection. **Pkt. 5c.**

Grevillea (Silk Oak)

935. ROBUSTA.—Beautiful for table decoration. **Pkt. 10c.**

Helichrysum *Immortelle a Bractees*

Hardy annual everlasting flowers. Height 1 to 2 feet.

950. MONSTROSUM MIXED.—Flowers of several rich colors. May be dried by hanging with flowerheads down, and are much used in winter bouquets. **Pkt. 5c.**

Heliotrope

Fragrant, half hardy perennial blooms first year from seed. 1½ to 2 feet.

955. CHOICE MIXED.—A fine strain, producing large heads of fragrant bloom. **Pkt. 5c.**

956. REGALE.—Plants bushy, and compact, having masses of bloom of surprising beauty. **Pkt. 15c.**

Hollyhock *Rose Tremiere*

The Hollyhock is one of those stately, old-fashioned favorites without which no garden is complete. For a background to a flower garden or perennial border, there is nothing better. Height 4 to 5 feet. Perennial.

CHATERS DOUBLE VARIETIES

Finest procurable strain of Hollyhock; unsurpassed for form and coloring. The large, full double flowers are beautifully set, like rosettes, around the vigorous-growing flower stalks. (Illustrated).

- | | |
|---|-----------|
| 965. CHATERS DOUBLE WHITE..... | Pkt. 10c. |
| 970. CHATERS DOUBLE PINK..... | Pkt. 10c. |
| 975. CHATERS DOUBLE ROSE..... | Pkt. 10c. |
| 980. CHATERS DOUBLE CRIMSON..... | Pkt. 10c. |
| 985. CHATERS DOUBLE SULPHUR YELLOW..... | Pkt. 10c. |
| 990. CHATERS DOUBLE BRIGHT SCARLET..... | Pkt. 10c. |
| 995. COLLECTION containing 1 packet each of the above six colors... | 40c. |
| 1000. CHATERS DOUBLE MIXED.—A splendid mixture of all the best colors..... | Pkt. 10c. |
| 1005. DOUBLE GOOD MIXED..... | Pkt. 5c. |
| 1010. SINGLE ALLEGHENY MAMMOTH.—Petals beautifully laced and fringed, very robust habit and enormous flowers measuring 5 inches across. Splendid rich colors. Choicest Mixed..... | Pkt. 10c. |



Hunnemannia

Heuchera (Ajum Root)

A charming hardy perennial suitable for rockeries and borders, and exceedingly useful for cut flowers.



Lobelia—Crystal Palace Compacta

2405. SANGUINEA.—Long, slender panicles of brilliant, coral-red flowers. Foliage evergreen. Very free flowering. Height 18 inches. Pkt. 10c.

Honesty (*Lunaria Biennis*) *Lunaire*

Hardy biennial of easy culture. Admired for its silvery seed pouches which are used for winter bouquets of dried flowers.

1015. MIXED COLORS.—Height 2 feet. Pkt. 5c.

Humulus Japonica *Houblon*

Hardy annual climber fifteen feet high. Desirable for covering fences or shading verandahs.

1020. JAPONICUS VARIEGATUS.—Beautifully variegated foliage. Flowers small. Pkt. 5c.

Hunnemannia (Giant Yellow Tulip Poppy)

Decidedly the best of the Poppy family for cut flowers.

1025. FUMARIAEFOLIA.—Flowers a rich buttercup yellow, with feathery, glaucous foliage. Plants flower in July from seed sown in May. Blooms continuously till frost. Perennial. (Illustrated). Pkt. 10c.

Ice Plant (*Mesembryanthemum*)

Handsome, curious trailing annual, for baskets, rockwork or edgings.

1027. CRYSTALLINUM.—Flowers small, white, and of singular icy foliage. Pkt. 5c.

Incarvillea

Perennial. Gloxinia-like flowers with deep yellow throats.

1030. DELAVAYI.—Rich, rose with purple streaks. Hardy. Pkt. 10c.

Jacobaea *Senecon*

Very showy free-flowering annual. Good for border or pots.

1035. ELEGANS DOUBLE.—Richly colored flowers including white, lilac, crimson and dark purple. All colors. Mixed. Pkt. 5c.

Linum (Flax Flower) *Lin*

A hardy perennial plant bearing a profusion of bright blue flowers.

1095. PERENNE.—Height 2 feet. Pkt. 5c.

Lobelia

For edgings, bed, baskets and pots there is nothing prettier. Hardy annual.

1100. CRYSTAL PALACE COMPACTA.—Flowers deep blue in color. Dwarf, compact habit; 6 inches. Pkt. 10c.

1105. ROYAL PURPLE.—Rich, purple blue with white eye; 6 inches. Pkt. 10c.

1110. GRACILIS.—Dainty blue flowers. This is the variety to use for window boxes or hanging baskets. Trailing habit. Pkt. 5c.

1115. CARDINALIS.—A perennial variety. Height 4 feet. Flowers, bright crimson, borne on long spikes. Pkt. 10c.

OUR CATALOGUE OF FALL BULBS IS ISSUED SEPT. 1st. On request we will mail you a copy. Fall Bulbs give you the earliest Spring bloom.



Hollyhock—Chaters Double



Linaria Maroccana Excelsior

Linaria *Linaire*

A quick growing, free-flowering, hardy annual, with varied and beautiful flowers resembling miniature Antirrhinums. Flowers last well when cut and are suitable for bouquets and table decoration. They bloom in 40 to 50 days from seed, and flower continuously for 3 to 4 months. Also good for pot culture indoors in winter.

1085. MAROCCANA.—Fine mixture of bright colors. Pkt. 5c.

1090. MAROCCANA EXCELSIOR.—A splendid improvement on the above in exquisite shades of white, yellow, orange, pink, crimson and lilac. Choicest mixed. (Illustrated). Pkt. 10c.



Kochia Tricophylla

Kochia (Summer Cypress)

A quick growing foliage or edge plant. Hardy annual.

1040. TRICOPHYLLA.—Compact, oval bushes 2½ feet high. In summer the foliage is a clear bright green, which changes in autumn to a fiery crimson hue. (Illustrated). Pkt. 5c.

Leptosyne

A beautiful annual of bushy, compact habit, blooming very quickly from seed.

1080. STILLMANNI.—A fine yellow flower from California growing about 1 foot high. Numerous flower stems are crowned with golden yellow blossoms of elegant shape and about 2 inches in diameter. Will be found an excellent cut flower; blooms in about six weeks from seed. Pkt. 10c.

Lychnis *Lychnide*

A most desirable hardy perennial of the easiest culture. They will do well in any soil, and this fact, in addition to the brilliance of their blooms, has made them very popular with all lovers of hardy plants.

1140. CHALCEDONICA.—A favorite flower in the herbaceous border, with bright, orange-scarlet flower heads. Blooms all summer. 2 feet. Pkt. 10c.



Larkspur—Giant Hyacinth Flowered

Larkspur

Pied d'Alouette

This is one of the most popular garden annuals. Produce a pleasing effect wherever used and the slender flower stalks, when cut, are most desirable for use as cut blooms. Seed can be sown outdoors in spring where plants are to flower, or for early blooming, seed may be started indoors.

1045. GIANT HYACINTH FLOWERED.—Flowers double, borne on spikes about fifteen inches long. Hardy annual, 2 feet high. Extra choice mixtures of all the best colors. Pkt. 5c.

1050. BRANCHING LIGHT BLUE Pkt. 5c.

1055. BRANCHING DARK BLUE Pkt. 5c.

1060. BRANCHING ROSE Pkt. 5c.

1065. BRANCHING WHITE Pkt. 5c.

1070. BRANCHING FINE MIXED Pkt. 5c.

Love Lies Bleeding (*Amaranthus*) *Amarante*

A fine, easily grown annual with long, drooping, chenille-like tassels of crimson colored flowers.

1120. CAUDATUS.—Very effective in borders or shrubberies. Height 3 feet. Pkt. 5c.

Lupines

Hardy annual and perennial plants of easy culture. Very decorative in beds and borders.

1125. TALL ANNUAL VARIETIES, MIXED.—Easily grown. Valuable for mixed flower borders and beds. Various colored, pea-shaped flowers, borne on long graceful spikes. **Pkt. 5c.**

1130. POLYPHYLLUS MIXED.—Hardy perennial; 4 feet. Very showy plants suitable for background for other flowers. Fine range of colors, including blue, white, rose and carmine. **Pkt. 10c.**

1135. ARBOREUS (Tree Lupines).—Hardy perennials growing into handsome, low, bushy trees. 4 feet. **Pkt. 10c.**

Lavatera *Mauve Fleurie*

A very beautiful and showy hardy annual, about 2 feet high. **1075. —ROSEA SPLENDENS.**—One of the most striking varieties of recent introduction, bearing magnificent flowers of a beautiful, rosy pink. The blooms remain in full beauty for a long period, which makes them valuable for cutting. (Illustrated).

Pkt. 10c.



Lavatera—Rosea Splendens

Marigold *Oeillet d'Inde*

They bloom quickly from seed and are among the most effective annuals for beds or mixed borders.

1164. AFRICAN MARIGOLD.—Good mixture. **Pkt. 5c.**

1165. FRENCH DWARF GRANDIFLORA.—Large striped flowers, beautifully formed. Plant dwarf, compact, free flowering. **Pkt. 10c.**

1175. FRENCH DWARF LEGION OF HONOR.—A very beautiful single dwarf variety. Flowers bright yellow, with a distinctive crimson blotch on each petal. Splendid for bedding. **Pkt. 5c.**

1174. FRENCH GOOD MIXED.—Fine rich colors. Very double. **Pkt. 5c.**

Marvel of Peru (Four o'clocks) *Belle de Nuit*

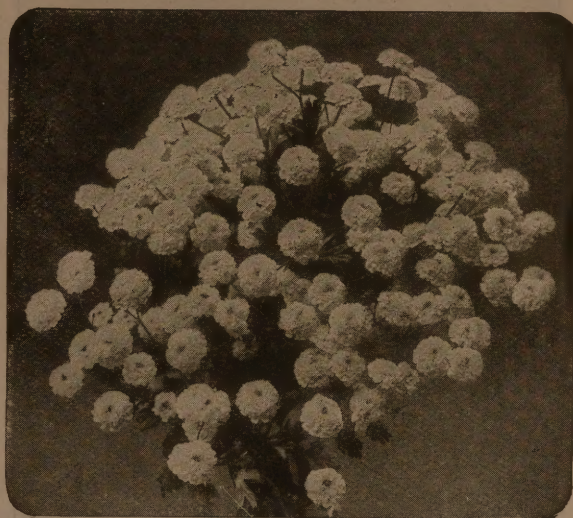
Large and beautiful, old-fashioned plants of erect bushy habit.

860. ALL COLORS MIXED.—Hardy annuals. Very easily grown. Height 2 feet. **Pkt. 5c.**

Matricaria (Bridal Rose)

Free-flowering annual; abundance of showy, double, white flowers.

1187. DOUBLE WHITE.—Blooms quickly from seed. **Pkt. 10c.**



Matricaria—Double White

Mathiola (Night Scented Stock)

Deliciously fragrant, hardy annual of easy culture. Height 1 foot.

1180. BICORNIS.—This flower, although little known, should be in every garden. During the day it is scentless, but towards evening its flowers open, exhaling a most delightful perfume. **Pkt. 10c.**

Malope

Beautiful, free-flowering hardy annuals, very showy and fine for cutting. 2 feet.

1145. GRANDIFLORA MIXED.—Rose, crimson and white. **Pkt. 5c.**

Mimulus (Musk Plant) *Mimule*

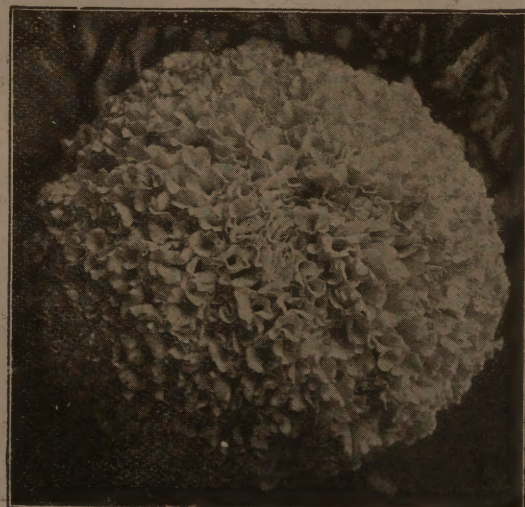
Tender perennial; 9 inches.

1225. MOSCHATUS.—The popular Musk plant. Much grown in pots and hanging baskets. Fragrant, tender perennial. **Pkt. 5c.**

Moonflower

A rapidly-growing, luxuriant climber with numerous, large flowers of delicious fragrance.

1230. EVENING GLORY.—Beautiful, violet-blue flowers, large and fragrant. Free flowering. **Pkt. 5c.**



African Marigold



Morning Glory

son, and will do well anywhere. All they need is a moderately good soil in a well-drained, sunny position, and from within a few weeks of sowing till hard frost comes, there is an endless profusion of their gorgeous blossoms. The dwarf sorts are invaluable for bedding, while the tall-growing varieties are useful for covering trellises or fences. (Illustrated).

DWARF VARIETIES

1255. QUEEN OF TOM THUMBS.—Compact, bushy habit, intensely free blooming. Flowers rich, bright crimson, foliage variegated. Very showy and distinct. Oz. 25c; pkt. 5c.

1260. EMPRESS OF INDIA.—This has been justly described as a sensational variety. Foliage dark, bluish-green with flowers of an intense orange scarlet. Oz. 20c; pkt. 5c.

1265. CRYSTAL PALACE GEM.—Pale sulphur with carmine spot. Green foliage. Oz. 20c; pkt. 5c.



Dwarf Nasturtium

Morning Glory (Convolvulus) *Ipomee*

A favorite annual climber of easy culture, suitable for growing on verandah, arbor, fence or trellis. Hardy annual; 10 feet. (Illustrated).

1235. IMPERIAL JAPANESE.—This species embraces some of the most beautiful flowers in cultivation, with color markings and variations of indescribable beauty. The flowers are often 3 inches or more across and are borne in great profusion. Superior in every way to the common Morning Glory. Oz. 25c; pkt. 5c.

1240. TALL MIXED (Convolvulus Major).—The well-known climbing Morning Glory. We sell larger quantities of this variety every year. It is a year after year favorite. Oz. 15c; pkt. 5c.

1245. DWARF MIXED (Convolvulus Minor).—A dwarf growing variety of the above. Very attractive little plants growing 10 to 12 inches high. Flowers as large as the climbing sort, remaining open all day. Oz. 15c; pkt. 5c.

Nasturtium

Capucine

Few plants have so many fine qualities to recommend them as the Nasturtium. They are easy to grow, bloom quickly and profusely through the entire sea-



Tall Nasturtium

1275. KING THEODORE

—Flowers of this variety are deep crimson and foliage is very dark. Combination produces a beautiful effect. Oz. 20c; pkt. 5c.

1290. DWARF FINE MIXED.

—A splendid mixture of the best colors. Ideal for the gardener who

desires something especially nice. Oz. 15c; pkt. 5c.

TALL VARIETIES

1295. TALL LIGHT VARIETIES MIXED.—Oz. 15c; pkt. 5c.

1305. TALL DARK VARIETIES MIXED.—Oz. 15c; pkt. 5c.

1300. TALL ALL COLORS MIXED.—One of the nicest of the family. You should order this variety. Oz. 15c; pkt. 5c.

1310. MADAME GUNTHER'S TALL HYBRIDS.—A new strain of French origin, most remarkable for their wide range of exquisite colors. Mixed colors, including pink, purple, rose, salmon, light yellow, dark maroon, deep orange. Oz. 25c; pkt. 5c.

Nemesia

Very pretty annuals growing 6 to 8 inches high in round bush form. They bloom freely and continuously, bearing myriads of brilliantly colored flowers.

1315. NEMESIA STRUMOSA SUTTONII.—This strikingly beautiful new variety is fully described in Novelty Section. **Pkt. 20c.**

1320. NEMESIA COMPACTA. White Gem.—A popular, dwarf, compact strain; is very beautiful for edgings or pot culture. In recent years the flowers have been much improved, both in size and color. Our seed comes from one of the most famous British growers. Pure white. **Pkt. 10c.**

1325. NEMESIA COMPACTA. Blue Gem.—Clear Forget-me-Not blue. Similar to White Gem and equally free-flowering **Pkt. 10c.**

Nicotiana *Tabac*

A species of tobacco with beautiful flowers of various brilliant colors. All deliciously fragrant and free blooming. Annual; 2 to 3 ft.

1330. AFFINIS CHOICE HYBRIDS.—Very sweet-scented, fine variety of bright colors. **Pkt. 5c.**

1335. SYLVESTRIS.—Similar to Affinis, but leaves are larger. Sweet scented. **Pkt. 5c.**

1340. SANDERAE HYBRIDS.—These lovely hybrids are a choice selection, containing 8 different colors ranging from pure white to deepest scarlet. Blooms all summer. **Pkt. 10c.**

Nigella *Nigelle*

Lovely garden annuals growing in beautiful bushes 12 to 18 inches high. The large double flowers nestle in the finely cut, fern-like, green foliage, and produce the charming effect which has given the plant its popular name of "Love-in-a-Mist."

1350. MISS JEKYLL.—One of the most attractive hardy annuals, giving an abundance of long-stemmed flowers which are of a clear, corn-flower blue, prettily set in slender, elegant foliage. **Pkt. 10c.**

1345. HISPANICA ALBA.—A taller variety with clear, white flowers. **Pkt. 5c.**

Nemophila *Nemophile*

Splendid annual plants for bedding; 1 ft. Do well in moist, half-shady situation. Cup-shaped flowers in many bright colors.

1355. FINEST MIXED.—A choice selection, containing white, rose, blue purple and violet shades. **Pkt. 5c.**

Oenothera (Evening Primrose)

Old favorite hardy annuals; 1 to 2 feet high. The blossoms are large and showy, and very freely produced.

1360. FINEST MIXED.—A very choice strain containing all the best colors. **Pkt. 10c.**

Mignonette *Reseda*

One of the most popular garden annuals, easily grown; quick flowering and deliciously fragrant. Can also be grown in pots for winter and early spring flowering. The newer varieties have all the charm and perfume of the older sorts while being great improvements in size, shape and color of bloom.

1185. GIANT MACHET.—A greatly improved strain of this fine variety. Deep red flower heads. Extra select stock. Pot saved. **Pkt. 10c.**

1190. MACHET.—Very fine, compact variety. (Illustrated). **Pkt. 10c**

1195. BISMARCK.—A robust-growing variety, producing a great number of large handsome spikes of deliciously fragrant flowers. **Pkt. 10c.**

1200. ALLEN'S DEFIANCE.—When grown under favorable conditions, the spike grows 12 to 15 inches long. The flowers are of immense size forming a graceful and compact spike. Of extraordinary keeping qualities, retaining their grace and fragrance till every bud opens. **Pkt. 10c.**

1205. WHITE PEARL.—New. This desirable novelty is like Machet, hardy and compact, with great wealth of blossom. Flowers are thick, long, well rounded, and clear white in color. A good percentage comes true from seed. **Pkt. 10c.**

1220. CRIMSON GIANT.—A splendid new selection bearing immense, crimson spikes. **Pkt. 10c.**

1210. SWEET SCENTED.—The common sweet Mignonette. Very fragrant and a great favorite. **Oz. 20c; pkt. 5c.**

1215. IMPROVED LARGE FLOWERING.—This is the choicest selection of Sweet Mignonette, bearing much larger flowers. Do not fail to include this in your order. **1-2 oz. 15c; pkt. 5c.**



Nicotiana Affinis



Mignonette—Machet



McDonald's Superb Pansies

A RIOT OF RICH COLORS

Few can resist the temptation to give full rein to their desire to have a nice showing of pansies in their garden. Dainty flowers in a riot of rich colorings, none are more ornamental, nor is there any that feasts the eyes of the grower so well. Our seed is grown for us by experts and it produces pansies that are large, heavy of texture, rich and novel in colorings, and strong of stem. The more beautiful varieties are shy seeders, so good seed is expensive, but it pays to order the higher priced packets to ensure admirable results.

1435. McDONALD'S ROYAL EXHIBITION MIXTURE.—This superb strain is the result of many years' selection and is our finest mixture as to size, texture and colorings. Flowers are large, finely curled and fimbriated. Our stock is saved from one of the best prize collections in Britain, and all seeds are saved from prize plants. Pkt. 25c.

1370. GIANT TRIMARDEAU WHITE.—Pure white with a large violet blotch on three lower petals. Pkt. 10c.

1375. GIANT TRIMARDEAU YELLOW.—A very fine, pure yellow variety. Pkt. 10c.

1380. GIANT TRIMARDEAU MIXED.—Large flowers of rich and varied shades, very distinct and beautiful. The magnificent, large blooms with their rich coloring make this one of our most popular Pansies. 1-4 oz. 60c; pkt. 10c.

1385. PEACOCK.—The variety of beautiful forms in this selection is marvelous. Quite distinct from all other varieties for this reason and because of their pronounced markings. Pkt. 15c.

1390. MASTERPIECE.—A new class of blotched pansies with large blooms, measuring three inches in diameter. The range of color is great, with rich, dark velvety shades predominating. They are bordered, blotched or marked in ray-like veinings with contrasting colors. The form is distinct from other pansies, the border of each petal being conspicuously curled or waved, giving the flower a double appearance. Pkt. 25c.

1395. ODIERS FIVE BLOTCHED.—A superb Pansy in every way. It is unsurpassed for richness of color, while its distinct markings give it a glorious effect. Pkt. 10c.

1400. MADAME PERRET.—Colors are dark wine, pink, and red, beautifully veined and marbled. Lower petals are generally of canary-yellow or rose-pink. Flowers are all large and beautifully outlined, with a white margin. The edges of the petals are waved or frilled in a charming way. Pkt. 10c.

1405. ORCHID (Cattleya-flowered).—A mixture of beautifully delicate shades, and pleasing light tones of yellow, lavender, red and mauve. Entirely new and a delightful selection. Flowers large and quaint in shape. Pkt. 10c.

1410. GOLDEN QUEEN.—Very fine, bright yellow. Pkt. 10c.

1420. GIANT PRINCE HENRY.—Flowers very large, of an intense dark blue. Pkt. 10c.

1425. LARGE FLOWERING BRIGHT RED.—One of our most beautiful new Pansies. Large, bright cardinal in color. Pkt. 10c.

1430. BUGNOTS BLOTCHED.—Large flowers with broad blotches, many having the two upper petals finely lined; great diversity of handsome and rare colors. Pkt. 15c.

1440. PARK BEDDING MIXTURE.—A particularly fine pansy mixture which we sell at a medium price. It contains a wide range of the finest and richest colorings. Flowers are all of perfect shape, of good substance, with thick, velvety petals and are borne on good stiff stems. Free flowering and healthy in growth. 1-4 oz. 30c; pkt. 5c.

1445. FINE MIXED.—Fine varieties in all the best colors. 1-4 oz. 30c; pkt. 5c.

Pentstemon

Attractive plants, much used in the hardy border. The bushes are pyramidal, 2 to 3 feet high, with erect branches, thickly set with large, Gloxinia-like flowers. One of the best hardy perennials, but will bloom profusely first season if sown in heat during February or March.

1475. LARGE FLOWERED HYBRIDS, MIXED.—An improved, large-flowering strain of this favorite flower, containing lovely shades varying from pure white, pink, rose, and crimson, to mauve and purple. Pkt. 10c.

Physalis (Chinese Lantern Plant)

Perennial; 18 inches. Bushy plants producing balloon like husks, which turn red when ripe and resemble Chinese paper lanterns.

1560. FRANCHETI.—A much improved variety, the rich red fruits being three times the size of the ordinary sorts. **Pkt. 10c.**

Platycodon (Chinese Bell Flower)

One of our best hardy perennials and will bloom first year from seed, flowering in August, from an April sowing. They form large clumps, and are excellent for planting in permanent borders or among shrubbery. The showy, bell-shaped flowers are produced in profusion throughout the season.

1565. GRANDIFLORA BLUE.—Large steel-blue flowers. Very fine. **Pkt. 5c.**

1570. GRANDIFLORA WHITE.—Fine, pure white variety. **Pkt. 5c.**

Poppy *Pavots*

Annual Varieties

Annual Poppies are valuable for their continuous, free-blooming habit. Both the single and double varieties bloom in great profusion through the summer, and the flowering season may be prolonged by keeping the flowers cut and allowing no seed pods to form. Sow outside where plants are to bloom as they do not stand transplanting.

1575. SNOWDRIFT.—A magnificent, pure white, double poppy, growing 2 to 3 feet high; fine for cutting. **Pkt. 5c.**

1580. CARNATION FLOWERED DOUBLE.—Large, showy, double flowers, comprising a varied range of beautiful colors. Very choice mixture. (Illustrated). **1-2 oz. 10c; pkt. 5c.**

1585. PAEONY FLOWERED MIXED.—Large flowers resembling a double Paeony. The showy flowers are of full globular shape and very freely produced. All colors mixed. **Pkt. 5c.**

1590. THE ADMIRAL.—A single, paeony-flowered variety of surpassing beauty, having large, smooth-edged flowers of glistening white, with a broad band of brilliant scarlet around the top. These two colors form a striking contrast, and when planted in groups, produce a magnificent effect. **Pkt. 10c.**

1595. DANEBROG or DANISH CROSS.—A showy variety, producing large flowers of brilliant scarlet, with a silvery white spot at the base of each of its four large petals, forming a distinct white cross. Very beautiful. **Pkt. 5c.**

1600. McDONALD'S SUPERB SHIRLEY.—The Shirley is the most beautiful type of annual Poppy, its delicate colors ranging from purest white to pink, rose, lavender, red and crimson, while many are daintily edged and striped. The petals appear as if made from the softest crepe paper. Our special strain of this charming flower is of unusual beauty, and has been rigidly selected from the stock of the original nominator, the Rev. W. Wilks, Secretary to the Royal Horticultural Society. (Illustrated). **Oz. 50c; 1-4 oz. 15c; pkt. 5c.**



Poppy (Carnation Flowered)



McDonald's Superb Shirley Poppy

Perennial Varieties

Perennial Poppies are among the best liked hardy plants. Oriental varieties are the most gorgeous of all Poppies, growing 3 feet high, with immense flowers. The new variety, Mrs. Perry, is particularly fine.

The Nudicaule varieties (Iceland Poppies) bloom the first season if sown early in spring. They grow 1 foot high and their delicate forms and intense colors render them desirable as border plants, and exquisite for cutting. They bloom all summer and are quite fragrant.

1610. ORIENTAL QUEEN ALEXANDRA.—A new Poppy of exceptional merit. The color is bright rosy salmon, with a conspicuous crimson blotch; quite distinct. **Pkt. 15c.**

1605. ORIENTAL MRS. PERRY.—A fine variety with immense flowers of beautiful, soft salmon-pink shades. **Pkt. 15c.**

1615. ORIENTAL HYBRIDS MIXED.—Saved from finest named varieties of the large-flowered sorts. **Pkt. 10c.**

1620. BRACTEATUM.—We offer the true, deep crimson strain of this favorite variety. Enormous flowers. Height 3 feet. **Pkt. 10c.**

1625. NUDICAULE WHITE.—Clear, glistening white. **Pkt. 10c.**

1630. NUDICAULE YELLOW.—The yellow Iceland Poppy. **Pkt. 10c.**

1635. NUDICAULE ORANGE SCARLET.—**Pkt. 10c.**

1640. NUDICAULE MIXED.—Very choice selection including the varieties offered above. **Pkt. 10c.**

1645. NUDICAULE FL. PL. DOUBLE.—These charming, double Iceland Poppies are particularly fine and just as easily grown as the singles. All colors mixed. **Pkt. 10c.**



Phlox Drummondii

An exquisite class of annuals, embracing a wide range of brilliant colors, and producing an abundance of flowers throughout the summer. Few flowers are so easy to grow from seed, so pretty and compact in habit, so quick to bloom, or give such a lavish display of color for so little cost and care. They prefer a rich light soil. Do not crowd the plants or they may suffer from mildew; 12 inches apart is about right. (Illustrated).

1520. GRANDIFLORA ALBA.—Pure white, handsomely rounded; height, 1 foot. **Pkt. 10c.**

1525. GRANDIFLORA COCCINEA.—True scarlet. Very fine. **Pkt. 10c.**

1530. GRANDIFLORA CHAMOIS ROSEA.—Beautiful rose color; 1 foot. **Pkt. 10c.**

1535. GRANDIFLORA ISABELLINA.—Yellow or primrose. **Pkt. 10c.**

1540. GRANDIFLORA CHOICEST MIXED.—This is the best procurable strain, containing many beautiful shades in addition to the above. Very large flowers. **Pkt. 5c.**

1545. NANA COMPACTA APRICOT.—Lovely, rose-apricot flowers. Height, 8 inches. **Pkt. 10c.**

1550. NANA COMPACTA SNOWBALL.—Charming white variety. 8 inches. **Pkt. 10c.**

Perennial or Hardy Phlox *Phlox Vivace*

Among the very finest herbaceous plants for beds and borders. They are perfectly hardy and during late summer and fall they keep the garden gay with their large trusses of brilliant bloom. A peculiarity of the seed is that it sometimes takes several months to germinate. Two to three feet.

1555. CHOICEST MIXED.—Specially fine strain from best exhibition varieties only. **Pkt. 10c.**

Everlasting Pea (*Lathyrus Latifolius*) *Pois Vivace*

A hardy, free-flowering herbaceous perennial climber; 8 feet. Blooms resemble those of the Sweet Pea, but lack their fragrance. Fine for cutting.

1450. EVERLASTING WHITE.—Pure glistening white. **Pkt. 10c.**

1455. EVERLASTING RED.—Bright red. **Pkt. 10c.**

1460. PINK BEAUTY.—Rosy pink, delicately shaded. **Pkt. 10c.**

1465. MIXED.—All colors. **Oz. 15c; pkt. 10c.**

Petunia

One of our finest annuals for summer bedding. No other has such a long season of bloom, as they flower from early spring till the first killing frost. They produce a charming diversity of color and are easy to grow. Given a good soil and a sunny position, they will produce a continuous succession of large, brilliantly colored blooms.

1490. ROSY MORN.—A particularly fine Petunia of compact growth, covered completely with beautiful flowers. The throat is silvery white, while the edge is heavily flushed with soft, rosy pink. **Pkt. 10c.**

1495. SNOWBALL.—A pure, satiny-white form, compact, free blooming. Excellent for bedding or pot culture. 8 inches. **Pkt. 10c.**

1500. INIMITABLE DOUBLE.—This is the ideal strain of Double Petunia, producing large double blooms of finest form and coloring. Seed is always high in price, because it can be produced only from flowers which have been carefully hybridized by hand. Our strain produces from 25 to 40 per cent. of double flowers, the balance being singles of exceptionally fine quality. Usually the large, strong seedlings will throw only single flowers, while the weaker seedlings produce large, fringed blooms, blotched and striped in finest colors. **Pkt. 25c.**

1505. GIANTS OF CALIFORNIA (Re-selected Strain).—This new, Giant Flowered selection embraces every shade of crimson, white, violet, lavender. Flowers 4 to 5 inches across, beautifully ruffled and fringed with a superb variety of gorgeous veinings.

1510. LARGE SINGLE FRINGED.—Large flowers saved from a superb strain of the most beautiful striped and blotched flowers, with elegantly fringed edges. Extra choice mixed. (Illustrated). **Pkt. 20c**

1515. SPLENDID MIXED SINGLE.—Mixed, large-flowered hybrids in fine colors, including striped and blotched, from finest varieties. **Pkt. 5c.**

Perilla

Half hardy annuals, grown from their beautiful bronze ornamental foliage. Splendid for planting in beds, 18 inches.

1480. NANKINENSIS.—Rich, bronze-gold colored foliage. **Pkt. 5c.**

1485. CRISPA.—Dwarfer than the preceding sort with large leaves of a rich bronze color, prettily crimped. **Pkt. 5c.**



Petunia—Large Single Fringed

Portulaca *Pourpier*

Half hardy, sun-loving annuals with gorgeously colored flowers. Splendid for dry locations; 6 inches.

1650. SINGLE MIXED.—Large, bright colored flowers. All colors. Pkt. 5c.

1655. DOUBLE MIXED.—Showy, large-flowered sorts. All colors. Pkt. 5c.

Primula *Primeveres*

Charming and beautiful Chinese Fringed Primroses are most popular for house or conservatory. Easily grown if sown on light, porous soil.

1660. SUPERB LARGE FLOWERING MIXED.—A choice selection of Fringed Primroses, from one of the best British growers. Large flowers, beautiful colors. (Illustrated). Pkt. 25c.

1665. STELLATA MIXED.—Make excellent pot plants for decorative purposes. Pkt. 25c.

1667. MALACOIDES.—Beautiful, light lilac of distinct, branching habit. Fine house plant. Pkt. 15c.

1670. OBCONICA GRANDIFLORA.—Fine variety, blooming more quickly from seed. Exceedingly floriferous bearing almost all year. Pkt. 15c.

Pyrethrum *Pyrethre Rose*

Pyrethrum Hybridum is one of the handsomest hardy flowering, herbaceous plants, while Aureum is the popular Golden Feather so much used for edgings and carpet bedding.

1680. HYBRIDUM.—A valuable border plant, affording in summer a brilliant display of variously-colored Aster-like flower heads. Splendid for cutting; 2½ feet. Single Mixed. Pkt. 10c.

1675. PARTHENIFOLIUM AUREUM.—Bright yellow foliage. Perennial. Grown as an annual. Pkt. 5c.



Primula
(Superb Large Flowering)

Romneya

Beautiful Californian Bush Poppy. Half-hardy perennial.

1710. COULTERI.—Fine plants for sunny situations, bearing fragrant, snowy-white, crinkled flowers 4 to 5 inches across, with golden yellow stamens. Height, 4 feet. Pkt. 10c.

Ricinus (Castor Oil Plant) *Palma Christi*

Annual ornamental plants of stately growth and picturesque foliage. Excellent for sub-tropical effects on lawns, and as centre plants for large beds. Rapidly attain gigantic proportions.

1685. GIBSONI.—Foliage dark, purplish green. Height, 6 feet. Pkt. 5c; oz. 20c.

1690. ZANZIBARIENSIS.—Tall-growing species of from 10 to 12 feet, with immense, beautifully-colored leaves which measure over 2½ feet across. Pkt. 5c; oz. 20c.

1695. BORBONIENSIS.—Extra fine sort, 15 feet. Splendid green foliage. Pkt. 5c; oz. 20c.

1700. CAMBODIENSIS.—Large, palm-like leaves of dark bronze maroon; stalk and stems nearly black. Oz. 20c; pkt. 5c.

Sweet Rocket *Julienne des jardins*

Perennial, bearing racemes of sweet-scented flowers.

1705. FINE MIXED.—May-July; 2 to 3 feet. Pkt. 5c.

Rudbeckia (Texas Cone Flower)

Popular for border decoration. Of easy culture. Produce showy flowers during summer and autumn.

1715. BICOLOR SUPERBA.—Hardy annual; 18 inches. Flowers semi-double, spotted dark brown on yellow ground, with twisted petals. Fine for cutting. Pkt. 10c.

1720. FULGIDA VARIABILIS.—New hybrids of this free-blooming, hardy perennial. Splendid colors. Pkt. 10c.

1725. NEWMANNI.—Hardy perennial; 2 feet; large golden yellow flowers, with velvety maroon centres. Pkt. 10c.

Salpiglossis

Easily grown and stands sun well. Flowers of velvety texture with deeply sunken veins, hardy annual.

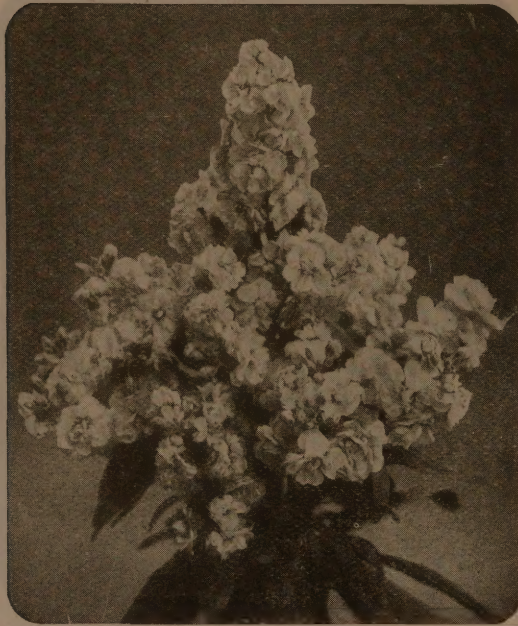
1730. NEW EMPEROR MIXED.—An unusual selection contains a variety of colors. Pkt. 10c.

SUPERIOR PRODUCING QUALITY.

"For the past two years we have used McDonald's Tested Seeds, which we have found to be of very superior crop producing quality."—JAMES LINDSAY, Pakenham, Ont.



Portulaca



Stocks—Large Flowering Ten Weeks

1795. LARGE FLOWERING TEN WEEKS.—This is the finest possible strain of Ten Week Stock, blooming very early and keeping up a continuous profusion of fine, fragrant, double flowers till frost. Our seed is saved from pot-grown plants and will produce 90 per cent large double flowers. (Illustrated). 1-8 oz. 50c; pkt. 10c.

1800. BEAUTY OF NICE.—A Stock of great beauty, bearing flowers of the most delicate blush-pink. The plant grows to a height of 2½ feet, and throws up an immense flower spike of about 12 inches, while the side shoots are

Scarlet Runners

That reliable, ornamental climbing bean so much used for covering trellises, verandahs, and other surfaces.

1765. SCARLET RUNNER BEANS.—Plants of strong, quick growth, bearing a profusion of bright, scarlet flowers. Postpaid: lb. 45c; 1-2 lb. 30c; pkt. 10c.

1770. WHITE RUNNER BEANS.—Similar to the above, but flowers are pure white. Postpaid: lb. 50c; 1-2 lb. 30c; pkt. 10c.

Schizanthus Wisetonensis Excelsior

This superb new Schizanthus is illustrated and described in Novelty Section.

1775. WISETONENSIS EXCELSIOR.—Pkt. 25c.

Smilax Medeola

A popular and widely-known climbing plant grown for its graceful foliage. Excellent for parlor or window culture.

1780. MYRSIPHYLLUM ASPARAGOIDES.—Glossy, dark-green foliage used largely with cut flowers for vases, wreaths, etc. Pkt. 10c.

Stocks Giroflees

Stocks are deservedly favorites and among our most useful annuals. They are as easily grown as Asters and are deliciously fragrant. Their great beauty should ensure for them a place in every garden as they bear such an immense quantity of fine blooms. Excellent for cutting.

1790. PRINCESS ALICE.—A very fine, pure white Stock of vigorous branching habit. This is of the true "Cut and Come Again" type, blooming continuously through summer and fall. Pkt. 10c.

covered with large, fragrant flowers measuring about 2½ inches in diameter. Pkt. 10c.

1805. DWARF TEN WEEKS MIXED.—A good mixture. Pkt. 5c.

1810. QUEEN ALEXANDRA.—A new Stock of the same type as "Beauty of Nice," with large flowers of rosy lilac. Pkt. 10c.

1815. YELLOW OF NICE.—Similar to the above variety excepting the color which is of a nice yellow shade. Pkt. 10c. Any three of the above 25c.

Salvia Sage

A standard bedding plant, the many merits of which are being appreciated by an increasing host of admirers. They bloom profusely all summer and fall and are easily grown from seed.

1735. SPLENDENS.—A single plant will carry as many as two hundred spikes of intensely brilliant, scarlet flowers, each ten inches long. It is very useful as a hedge or border plant, where long, broad bands of intense color are desired. Pkt. 10c.

1740. ZURICH.—A splendid new dwarf variety growing 2 feet high. Especially valuable owing to its earliness in flowering, blooming 10 days in advance of other sorts. Brilliant red flowers. July till frost. Pkt. 15c.

1745. FARINACEA.—A blue variety with rich, bright foliage. Lavender-blue flowers are freely borne on long spikes. 2 feet. Pkt. 10c.

Scabiosa (Mourning Bride) Scabieuse

This old plant has been greatly improved in recent years in habit and range of color. A magnificent free-blooming plant of easy culture. Very decorative for beds and borders, also valuable for cutting.

1750. LARGE FLOWERING DOUBLE.—Annual varieties, mixed, 2 feet. Pkt. 5c.

1755. AZURE FAIRY.—Annual, 2½ feet. Lavender-blue. Pkt. 10c.

1760. CAUCASICA.—Hardy perennial, 2 feet. One of the handsomest of hardy perennials. Beautiful, large, light-blue double flowers. Pkt. 10c.

Statice (Sea Lavender)

An excellent plant to brighten the border.

1785. LATIFOLIA.—Color clear mauve; flowers when dried are very useful for winter decorations. Hardy perennial. 2 feet. Pkt. 10c.

Stokesia Stokesie

Hardy perennial. Plants grow from 16 to 24 inches high.

1820. CYANEA.—Flowers of a lavender-blue, highly valuable for cutting. (Illustrated). Pkt. 10c.



Stokesia

Sunflower *Soleil*

Sunflowers are grand and stately decorative plants producing great masses of yellow flowers. Their luxuriant growth and the size and brilliancy of their flowers make them very effective and useful for shrubberies and as backgrounds of borders and beds. Sow seed in the open ground where the plants are to bloom, and thin out to stand from 12 to 14 inches apart. These improved, modern types of Sunflower are gorgeous in their brilliant color, and many are excellent for cutting.

1825. DOUBLE CALIFORNIAN.—A splendid variety, growing from three to five feet high, and producing magnificent heads of golden-yellow flowers. They come into bloom early in summer and keep up a constant supply of flowers until frost. **Pkt. 5c.**

1830. STELLA.—(Improved Miniature Sunflower).—Attains a height of from three to four feet, and bears a profusion of fine blooms two and a half to three inches across. Flowers are pure golden yellow with black disc, are borne on long stems, and rise well above the lovely small green foliage. Annual. **Pkt. 5c; oz. 50c.**

1835. PRIMROSE or SULPHUR GEM.—An extremely pretty and distinct variety of free blooming habit. The rayflorets are primrose-colored and those of the disc are dark. Particularly suited for cutting. Annual. **Pkt. 5c.**

1840. MAMMOTH RUSSIAN GIANT.—A handsome, tall-growing variety with large bold flowers. Often grown for its seed which makes a desirable food for poultry. **Oz. 10c; pkt. 5c.**

1845. NEW RED SUNFLOWER.—This striking Novelty is described in Novelty Section. **Pkt. 15c.**



Sweet Sultan

Sweet Sultan *Centaurie Odorante*

Hardy border annuals with showy, fragrant flowers, valuable for cutting. Flowers retain their freshness in water for a long period when cut.

1850. LARGE FLOWERING MIXED.—A magnificent strain with beautifully fringed, fragrant flowers at least twice the size of the older varieties. All colors mixed. (Illustrated). **Pkt. 10c.**

1855. GOOD MIXED.—Smaller flowers than the preceding. **Pkt. 5c.**

Valeriana

Showy, hardy perennials of easy culture, producing large corymbs of red or white flowers.

1930. RUBRA MIXED.—Best colors of this old-fashioned border plant. Fine for cutting. 2 feet. **Pkt. 10c.**



Sweet William

Sweet William *Oeillet de poete*

Much used hardy perennials which bloom first year from seed if sown early. Flowers are of many rich colors and are universal favorites; 18 inches. (Illustrated).

1860. EXTRA LARGE AURICULA EYED.—A special strain of many beautiful shades, each flower showing a distinct eye. **Pkt. 5c.**

1865. PINK BEAUTY.—Beautiful salmon-pink. Large flower-heads. **Pkt. 10c.**

1870. FINE MIXED SINGLE.—Choice selection of the most beautiful shades. **Pkt. 5c.**

1875. DOUBLE MIXED.—A select, double-flowering strain containing all the best colors. **Pkt. 10c.**

1880. CRIMSON SHADES.—Choice new selection of the finest bright crimson shades. Specially fine. **Pkt. 10c.**

Wallflower *Giroflee Jaune*

Half hardy perennials of delicious fragrance, with lovely spikes of beautiful flowers in various colors. 1 to 2 feet.

1945. EXTRA EARLY PARIS.—A single variety, which may be treated as an annual, flowering through summer from seed sown in spring. **Pkt. 5c.**

1950. GOLDEN KING.—Large flowered, golden-yellow variety. Very fine. **Pkt. 10c.**

1955. FINEST DOUBLE MIXED.—Fine selection of the best large-flowered double sorts, with dense spikes of deliciously-scented flowers. Double varieties are as easily grown as singles. **Pkt. 10c.**

Virginian Stocks *Julienne de Mahon*

Hardy annuals, valuable for small beds or edgings.

1935. MIXED COLORS.—9 inches. **Pkt. 5c.**

Xeranthemum

Annual Everlastings, growing 3 feet high. Useful as dried flowers for winter bouquets; very showy.

1960. FINE MIXED.—Beautiful shades of bright rose, purple and white. Blooms from early summer till frost. **Pkt. 10c.**

Viscaria

Free blooming annuals of easiest culture, blooming early summer till fall.

1940. FINEST MIXED.—Splendid selection of bright colors. Height 1 foot. **Pkt. 5c.**

McDonald's Magnificent Sweet Peas

There are many reasons why Sweet Peas are so popular with every lover of flowers. Their size, shape, diversity of color and the ease with which they can be grown make them one of the first selections for every garden. Our stocks come from a prize-winning English grower, and produce in profusion graceful blooms in a wide range of exquisite colors. Our Spencer varieties, the orchid flowering sweet peas, deserve your especial attention as they are exceptionally fine. Their large flowers are produced abundantly in sprays of three or four, both standards and wings being most attractively waved.

CULTURE.—Sweet Peas, which should be sown as early as the ground can be worked, do not require as rich soil as is generally supposed. An easily worked clay loam with the addition of well rotted manure, grows very good Sweet Peas. If the only available soil is a sandy loam, the surface should be kept heavily mulched during the summer for 18 inches on each side of the row with lawn clippings. Soil should be deeply dug and then raked smooth, leaving a slight depression toward the middle of the row, sufficient to cause the rain to flow toward the plants instead of away from them. Sow seeds half an inch apart and two inches deep, firming the soil over them after sowing; one ounce of seed to every ten feet. Thin out to two inches apart. Thorough watering and an occasional application of liquid manure will benefit them greatly. Erect netting or stakes before plants grow too tall. As flowers come into bloom they should be cut and all seed pods removed, so that the flowering season may be lengthened.

Spencer Varieties or Orchid Flowering Sweet Peas.

These gigantic flowering Sweet Peas are quickly superseding the ordinary types, far surpassing them in beauty, size and color. The flowers are produced abundantly in sprays of 3 or 4, both standards and wings being waved in a most attractive way. Blooms frequently are 2½ across and are unequalled for cutting



TOOK FIRST PRIZES.

"I have just concluded a very successful season,—all of my seeds I got from your firm. With White and Blue Sweet Peas I stood far above anything else at our exhibition, taking first prize for both; also, first prize for Asters."—W. C. BURTON, Three Rivers, Que.

Type of Spencer Sweet Pea

2030. APPLE BLOSSOM SPENCER.—Of much larger size and more beautiful than the popular Apple Blossom Sweet Pea. Rose with blush wings. **Pkt. 10c; oz. 40c.**

2035. AMERICA SPENCER.—Ground color is ivory-white, distinctly striped with brilliant crimson red. **Oz. 50c; pkt. 10c.**

2040. ASTA OHN SPENCER.—Lavender, tinted mauve. Very large, wavy. Each stem usually bears four flowers of finest Spencer form. **Pkt. 10c; oz. 50c.**

2045. AURORA SPENCER.—Rosy-orange, striped white. One of the best striped varieties. **Pkt. 10c; oz. 40c.**

2047. BERTRAND DEAL IMPROVED.—Quite distinct in color, being a rich shade of rosy lilac or soft mauve, with a slight suffusion of rose. **Pkt. 10c; oz. 50c.**

2050. BEATRICE SPENCER.—Very dainty and delicate buff, pink and rose, with deeper rose wings. **Pkt. 10c; oz. 50c.**

2055. COUNTESS SPENCER.—Bright, clear pink, shaded deeper at edge. **Pkt. 10c; oz. 50c.**

2060. CAPTAIN OF THE BLUES SPENCER.—The large wavy standards are purple and the wings bright blue. One of the largest Spencers. **Oz. 50c; pkt. 10c.**

2067. ELFRIDA PEARSON.—A strong and vigorous grower; flowers of extra large size, great substance and lasting quality when cut. Color is a lovely pink throughout. **Pkt. 10c; oz. 40c.**

2070. DAINTY SPENCER.—White, suffused and edged with pink, of large size, and a free bloomer. The ground color is snowy white, while the distinct rose-pink margin gives it a dainty effect. **Pkt. 10c; oz. 50c.**

2075. DUPLEX SPENCER.—The new Double Standard Type, a large percentage of the flowers having two standards. Color is a pretty cream pink and the double character gives the flower a rich effect. **Oz. 50c; pkt. 10c.**

2080. FLORA NORTON SPENCER.—Bright blue, slightly tinted with purple. Very large. **Pkt. 10c; oz. 50c.**

2085. FLORENCE NIGHTINGALE SPENCER.—One of the largest and best lavender Spencers yet introduced. The lavender color is very soft, and is enhanced by a faint sheen of pink. **Pkt. 15c.**

2087. GEORGE HERBERT.—Flowers bright, rosy carmine of largest size, with full, wavy standards. **Pkt. 10c; oz. 50c.**

2090. HELEN LEWIS SPENCER.—Giant orange-pink, with especially bright orange standard, which is reflexed in a pronounced fluted effect. **Pkt. 10c; oz. 50c.**

2095. ILLUMINATOR SPENCER.—Of rare beauty. Flowers glowing orange scarlet in color, beautifully waved. **Pkt. 15c.**

2100. JOHN INGMAN SPENCER.—Carmine-rose, with deep veins. **Pkt. 10c; oz. 40c.**

**BE SURE TO ORDER SPENCER SWEET PEAS
IF YOU WANT THE LARGEST WAVY FLOWERS**

2105. KING EDWARD SPENCER.—Rich, bright crimson; beautifully waved. Wings unusually large, giving appearance of great size. Stems long, and stiff, fine for cutting; carry four flowers. Pkt. 10c; oz. 50c.

2110. KING WHITE.—Best white in existence. For size, purity in color, wavy standards, no other sweet pea can compare with it. Pkt. 15c.

2115. MARIE CORELLI SPENCER.—Wings pure, rich rose-crimson; standard shows tint of cherry-red. Whole effect is of brilliant crimson—clear, distinct, beautiful. Oz. 60c; pkt. 10c.

2120. MARTHA WASHINGTON SPENCER.—Pure white ground, edges of standard and wings being heavily picoteed with deep rose. Large flowers, beautifully waved. Pkt. 15c.

2125. MAUD HOLMES SPENCER.—Sunproof, crimson Spencer. Pkt. 15c.

2127. MRS. CUTHBERTSON.—Standard is a clear, rose-pink; wings white, slightly flushed, light rose, making it the finest bi-color of the Spencer type. Pkt. 10c; oz. 50c.

2130. MRS. ROUTZAHN SPENCER.—Beautiful blending of straw color tinted with blush pink and shading to apricot and rose at edges. Pkt. 10c; oz. 50c.

2135. OTHELLO SPENCER.—Of immense size, with large, drooping wings and wavy standard. Deep, rich maroon, very dark. Pkt. 10c; oz. 40c.

2137. ROYAL PURPLE.—(Novelty). Outstanding novelty and should be in every garden. Rich, warm, rosy-purple; a sensation wherever exhibited. Flowers of immense size, extremely vigorous. Pkt. 15c; 1-2 oz. 60c; oz. \$1.00.

2140. PRIMROSE SPENCER.—Finest and largest primrose yellow. Waved standard will often measure two inches across. Pkt. 10c; oz. 50c.

2145. TENNANT SPENCER.—Beautiful purple mauve. Self colored. Large flowers, gracefully placed on long, stiff stems. Pkt. 10c; oz. 50c.

2147. LADY EVELINE.—A new rosy mauve. See page 5 for description. Illustrated on this page. Small Pkt. 20c.

2150. VERMILION BRILLIANT.—Flowers of perfect form. Bold erect standard well waved and fluted; beautifully rounded; wings, intense scarlet, making a uniform self color throughout; entirely sunproof. Pkt. 15c

2155. WEDGWOOD.—Finest blue. Unique shade of Wedgwood blue; four flowered sprays. Pkt. 15c.

2157. SENATOR SPENCER.—A varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope. Pkt. 10c; oz. 40c.

2158. STIRLING STENT.—One of the brightest colored of all. Of most advanced Spencer type; rich, glowing, deep salmon self, suffused orange; Pkt. 10c; oz. 50c.

2159. THOMAS STEVENSON.—Intense, flaming orange throughout, wide, wavy standard; wings rosy carmine, shaded orange. Pkt. 10c; oz. 50c.

2160.—WHITE SPENCER.—A pure wavy-white of enormous size and splendid substance. Long stems. Pkt. 10c; oz. 40c.

2168. W. T. HUTCHINS.—A charming, light apricot color overlaid with delicate blush pink, with buds of a decided buff. Pkt. 10c; oz. 40c.

2165. McDONALD'S SUPERB MIXED SPENCERS.—We carry but one Spencer Mixture, containing true Spencer varieties only—the choicest we can procure. It contains only the cream of the finest orchid-flowering Spencers—with none of the small blooming sorts thrown in to lessen its cost. Pkt. 10c; oz. 25c; 1-4 lb. 90c.

General Collection of Grandiflora Varieties

Owing to the wide popularity of the Spencer varieties we have reduced our list of Grandifloras. **2200. BLACK KNIGHT.**—Maroon, with bright, metallic blue. Pkt. 5c; oz. 15c; 1-4 lb. 40c. **2205. BLANCHE FERRY.**—Extra early. The popular pink and white variety. Pkt. 5c; oz. 15c. **2230. DAINTY.**—Charming white flower with pink edge. Pkt. 5c; oz. 15c; 1-4 lb. 40c. **2235. DOROTHY ECKFORD.**—Finest pure white. Finely formed

flowers with stout stems. Pkt. 5c; oz. 15c; 1-4 lb. 40c.

2265. GLADYS UNWIN.—Large pale pink. Pkt. 5c; oz. 20c.

2280. HENRY ECKFORD.—Bright shining orange self. Pkt. 5c; oz. 15c.

2345. MRS. GEO. HIGGINSON, JR.—Purest pale blue, semi-hooded form. Pkt. 5c; oz. 15c; 1-4 lb. 40c.

2315. LADY GRISEL HAMILTON.—Pale, shining lavender. Very fine. Pkt. 5c; oz. 15c.

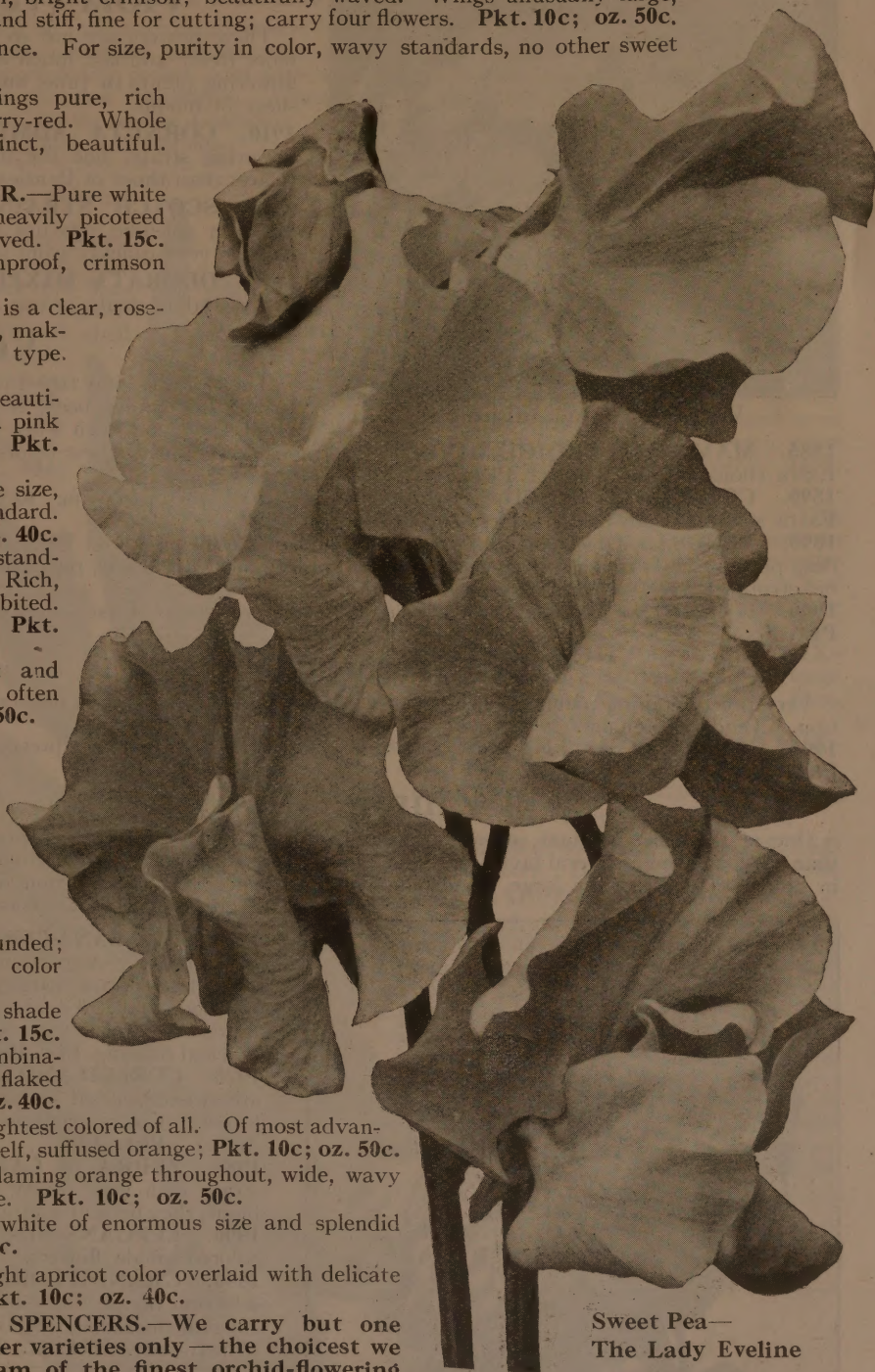
2290. HON. MRS. E. KENYON.—Deep primrose, the nearest approach to yellow yet introduced. Pkt. 5c; oz. 15c; 1-4 lb. 40c.

2350. MRS. WALTER WRIGHT.—Deep mauve. A lovely shade. Pkt. 5c; oz. 15c; 1-4 lb. 40c.

2375. QUEEN ALEXANDRA.—Intense scarlet self. Pkt. 5c; oz. 15c.

1380. ROSE DU BARRI.—Deep carmine, rose and orange. Pkt. 5c; oz. 25c; 1-4 lb. 75c.

2400. McDONALD'S RAINBOW MIXTURE.—For diversity of color, size of blooms and beautiful forms, this mixture is unexcelled among the Grandifloras. Decidedly superior to the usual mixture of Sweet Peas, as it does not contain a preponderance of any color. Customers can rely on having a really fine showing of Sweet Peas if they sow McDonald's Rainbow Mixture. Pkt. 5c; oz. 15c; 1-4 lb. 40c; lb. \$1.25.



Sweet Pea—
The Lady Eveline

2170. COLLECTION containing one packet each of 7 choice named Spencer varieties, our selection, 50c.



Viola—Cornuta Admirabilis

- 1885. MAMMOTH CHOICE MIXED.**—Enormous flowers in the best colors. Extra choice strain; 1 foot. **Pkt. 10c.**
1890. COMPACTA MIXED.—Slightly dwarfier than the preceding sort. Extra selected. All colors. **Pkt. 10c.**
1895. VENOSA.—Of strong, thrifty growth, and in popular demand for bedding purposes. Is covered from early summer till late fall with bright, purplish-heliotrope flowers. Height, 1 foot. **Pkt. 5c.**
1900. HYBRIDA.—Selected from choicest named varieties. First quality. **Pkt. 5c.**

Vinca (Periwinkle)

Very pretty trailing plant much used in window boxes and for garden decoration. Tender perennial.

- 1905. MIXED.**—Containing white, rose and white with rosy eye; very pretty. **Pkt. 10c.**

Zinnia

One of the most brilliant, showy and satisfactory summer flowering plants, that has long been a general favorite. They flower early in summer and continue in bloom till frost. The large, handsome blooms are finely formed and come in a great variety of colors.



Double Zinnia

Viola (Tufted Pansies) *Pensee Vivace*

These flowers are not so large as the regular Pansies, yet they bloom more freely and last much longer in flower. Seed sown in April produces flowering plants in June, and from then until frost, they are a continuous sheet of bloom.

- 1910. CORNUTA ADMIRABILIS MIXED.**—Very compact, free-flowering strain, fine for bedding. Colors are distinct and showy and clearer than those of Pansies. All colors, mixed. (Illustrated). **Pkt. 10c.**
1915. SCOTCH STRAINS MIXED.—Finest procurable strains of Viola in splendid mixture containing the choicest and newest hybrids. Blooms very quickly from seed. **Pkt. 15c.**
1925. ODORATA MIXED (Sweet Violet).—This is the true Sweet Violet and is easily grown from seed. **Pkt. 10c.**

Verbena *Verveine*

These hardy and free-flowering plants are widely known, and easy to grow. For garden beds, or effective massing, the Verbena is unsurpassed. Seed should be sown when ground is warm.



Verbena—Compacta Mixed

- 1970. HAAGEANA PERFECTION.**—A particularly fine dwarf variety bearing small, double flowers of perfect form and unusual coloring. **Pkt. 10c**
1975. CURLED AND CRESTED.—The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. Colors comprise all the brilliant shades characteristic of the Zinnia. **Pkt. 10c.**
1980. ZEBRA or CARNATION STRIPED.—A decidedly unique strain with very pretty striped flowers. As the colors vary on each plant, they present a curious as well as a beautiful appearance. **Pkt. 10c**
1990. ELEGANS SINGLE MIXED.—A fine mixture of brilliantly colored single flowers. **Pkt. 5c.**
2000. GRANDIFLORA DOUBLE MIXED.—An extra choice selection of the finest double Zinnias. Flowers very large and richly colored, including all the best and largest types. Height, 2 feet. (Illustrated). **1-4 oz. 20c; pkt. 5c.**

McDonald's Wild Flower Garden

UNDER this heading we offer mixtures containing more than 100 fine varieties of easy growing and pretty flowers, which will be found most desirable for sowing along fences, woodland walks, in shrubberies and out-of-the-way places. Spots that now appear unsightly can, with little care, be made to look beautiful.

Children delight in having a little garden of their own, and should be given a piece of ground and encouraged to cultivate it. A small plot planted in this way will prove a constant source of pleasure and delight to them, as they will always feel free to cut bouquets for their friends.

- 2025. ALL VARIETIES MIXED.**—**Pkt. 5c; ox. 25c; ½ lb. 75c.**

GLADIOLUS

We cannot emphasize too strongly the merits of this magnificent flower for Summer and Fall bloom in the garden. The wonderfully beautiful coloring of the Gladiolus, combined with its grace and habit places it in the highest position among Summer blooming plants. Few flowers are more easily grown, and with a minimum of care success is assured. In fact, they are as easily grown as some of our most common vegetables. When cost is considered, not many plants produce such a profusion of fine blooms at so small an outlay as the Gladiolus.

CULTURE.—Set bulbs 3 to 6 inches apart in rows (or 6 inches apart for massing) and about 4 inches deep. Plant any time from April to July 1st. In the fall, before hard frosts, lift the plants, remove the tops, and dry in the air a few days, after which store in a cool, dry place, secure from frosts till spring.

The following list comprises only the Finest Sorts, both in Named Varieties and Mixture. All strictly first size bulbs. Add for Postage, doz. 15c; per 100 35c.

AMERICA.—Conceded to be the finest and most beautiful variety ever sent out. Color, a beautiful soft shell pink, very light and slightly tinted with lavender. Flowers are of immense size, and of wax-like texture, borne on long spikes. Doz. 60c; per 100 \$4.00.

ATTRACTION.—Deep, dark, rich crimson with very conspicuous large white centre and throat. A most beautiful and attractive sort. Doz. 90c; Per 100 \$6.00.

AUGUSTA.—Pure white, with blue anthers. Doz. 50c; per 100 \$3.50.

BARON HULOT.—The finest blue Gladiolus yet seen. Rich, deep, indigo shade. Doz. 50c; per 100 \$3.50.

BRENCHLEYENSIS.—Vermilion-Scarlet. An old sort but one of the best in its color. Doz. 75c; per 100 \$5.00.

EMPRESS OF INDIA.—Rich maroon, large spikes of fine bloom. Doz. 50c; per 100 \$3.50.

KUNDERDI GLORY.—The new ruffled Gladiolus. Entirely new form. Ivory-white, suffused pale lavender, ruffled at edge of petals. Doz. 75c; per 100 \$5.00.

LILY LEHMAN (New).—Beautiful white with rose tint. Splendid spike. Highly recommended. Doz. 60c; per 100 \$4.50.

MRS. FRANCIS KING.—A most beautiful flame-pink. Immense flowers borne on spikes 4 feet high. Doz. 60c; per 100 \$4.50.

NIAGARA.—Of a beautiful cream shade, with two lower inside petals blending to canary yellow. Borne on stout erect stems. Each 15c; Doz. \$1.50; per 100 \$10.00.

PANAMA.—A seedling of America, but of an incomparable rosy pink shade. Doz. 75c; per 100 \$5.00.

PEACE.—Flowers large, of good form and correctly placed on a heavy straight spike. They are a beautiful white, with a pale lilac, feathering on inferior petals. This variety was pronounced "Superb" by the Royal Botanic Gardens, Kew, England. Each 15c; doz. \$1.50; per 100, \$9.00.

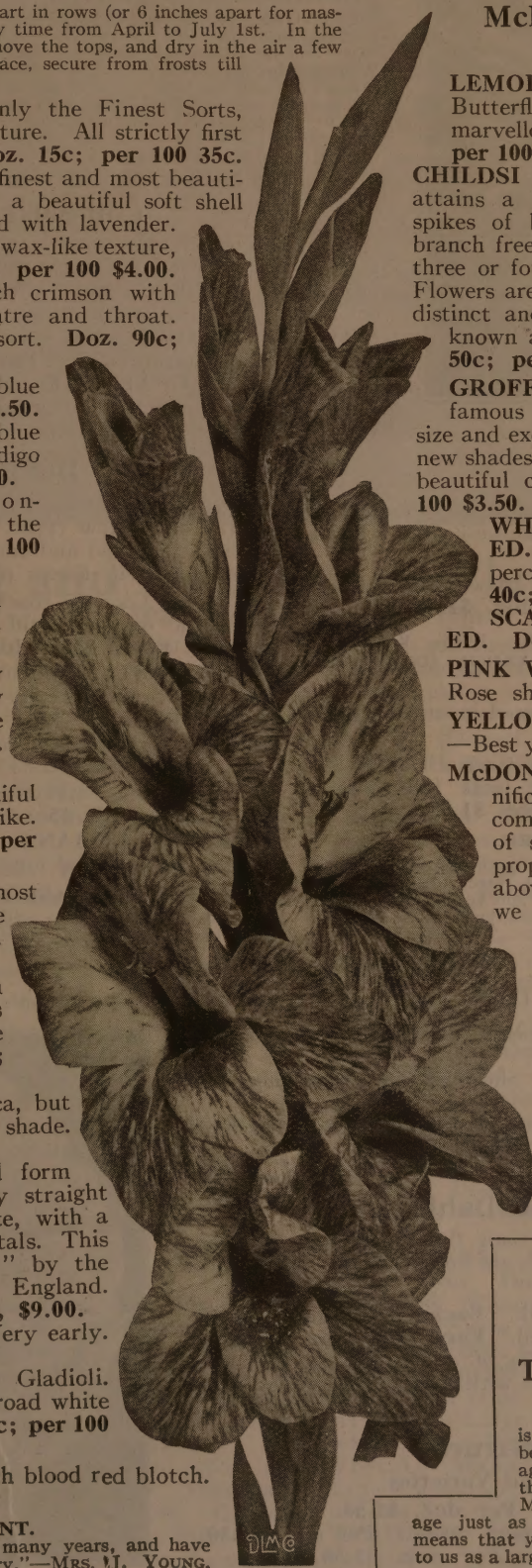
PINK BEAUTY.—Deep pink. Very early. Doz. 75c; per 100 \$5.00.

PRINCEPS.—The King of all Gladioli. Rich scarlet crimson, with three broad white blotches on lower petals. Doz. 75c; per 100 \$5.00.

WILLY WIGMAN.—Soft rose with blood red blotch. Doz. 60c; per 100 \$4.50.

FROM RUSSELL, ONT.

"We have used your flower seeds for many years, and have always found them entirely satisfactory."—MRS. J. YOUNG, Russell, Ont.



Gladiolus

McDonald's Superior Quality Mixed Gladioli

LEMOINE'S MIXED.—Frequently called the Butterfly or Orchid Gladiolus on account of its marvellous beauty and odd markings. Doz. 40c; per 100 \$2.00.

CHILDSI MIXED.—This magnificent type often attains a height of from four to five feet, with spikes of bloom over two feet in length. They branch freely, in most cases each stem producing three or four spikes of exceptionally large blooms. Flowers are of large size, fine substance, and most distinct and showy colorings, in fact every color known among Gladiolus is represented. Doz. 50c; per 100 \$3.50.

GROFF'S NEW HYBRIDS MIXED.—This famous strain is of surpassing beauty, both in size and exquisite coloring of flowers. Their many new shades, and countless combinations of rare and beautiful colors are marvellous. Doz. 50c; per 100 \$3.50.

WHITE AND LIGHT VARIETIES MIXED.—This superb mixture contains a large percentage of finest named varieties. Doz. 40c; per 100 \$3.00.

SCARLET AND RED VARIETIES MIXED. Doz. 40c; per 100 \$3.00.

PINK VARIETIES MIXED.—Fine Pink and Rose shades. Doz. 40c; per 100 \$3.00.

YELLOW and ORANGE VARIETIES MIXED.—Best yellow colors. Doz. 50c; per 100 \$3.50.

MCDONALD'S SUPERB MIXTURE.—A magnificent blend, which we unhesitatingly recommend. This mixture covers a wide range of shades and colors, and contains a good proportion of the named varieties listed above. We offer this mixture as the best we can supply, and those who grow it are assured of really delightful results.

Price per doz. 40c; per 100 \$3.00.

MCDONALD'S GOOD MIXED.—This mixture comprises a great diversity of colors and will give satisfactory results. Doz. 30c; per 100 \$1.50.

O. K. IN EVERY RESPECT.

"The seeds obtained from you have been O. K. in every respect."—J. J. SMITH, Harrington East, Que.



THIS TRADE MARK ON A PACKAGE OF SEEDS

is your means of knowing that they are the best you can buy. It is never seen on a package unless the contents have been subjected to the severest tests and are therefore up to the McDonald standard. It is on the 5c package just as it is on the more expensive ones, which means that your smallest command is just as important to us as a large order.



Type of Cactus Dahlia

Cactus Dahlia

COUNTESS OF LONSDALE.—A blending of salmon-pink and amber. Free bloomer and one of the best sorts. **Each 15c; doz. \$1.50.**

FLORADORA.—An extra fine free flowering variety. Color, bright blood-red. **Each 15c; doz. \$1.50.**

KRIEMHILDE.—Flowers are brilliant pink, gradually shaded to white at centre. Splendid variety for cutting. **Each 15c; doz. \$1.50.**

WINSOME.—Pure white with long twisted incurved petals. **Each 15c; doz. \$1.50.**

YELLOW PRINCE.—Best deep yellow Cactus Dahlia. A brilliant deep buttercup yellow. Fine large full flowers. Lasts well after cutting. **Each 15c; doz. \$1.50.**

WOULD BUY NO OTHERS.

"I have had a garden up in this North Country for the last seven seasons and tried several kinds of seeds, but for the last three years had yours. I must say that I have found them (both flowers and vegetables) so satisfactory that I would not think of buying them anywhere else."—MRS. S. CRAWFORD, Cobalt, Ont.

Show and Fancy Dahlias

Still preferred by many of the largest Dahlia growers, owing to their handsome globular forms, and beautiful color shades.

A. D. LIVONI.—Rich sea-shell pink, beautifully quilled and of perfect form. **Each 15c; doz. \$1.50.**

CHAS. LANIER.—Largest deep yellow Show Dahlia. Fine for cutting. **Each 15c; doz. \$1.50.**

FRANK SMITH.—Intense purplish maroon shading almost to black. Petals tipped white. **Each 15c; doz. \$1.50.**

JOHN WALKER.—A splendid pure white. **Each 15c; doz. \$1.50.**

Paeony-Flowered Dahlias

An entirely new type. The large artistic flowers are best compared to semi-double Paeonies in form. Blooms are borne on long stems rendering them suitable for cutting.

ANDREW CARNEGIE.—Salmon pink. **Each 20c; doz. \$2.00.**

DUKE HENRY.—Brilliant carmine red. **Each 20c; doz. \$2.00.**

GEISHA.—The most sensational Dahlia of all. Color is remarkable, being a combination of scarlet and gold with a rich clear yellow at the centre. **Each 30c; doz. \$3.00.**

Dahlias in Mixture

From Finest Named Varieties

CACTUS DAHLIAS.—Superb mixed. **Per doz. \$1.50.**

SHOW AND FANCY DAHLIAS.—Superb mixed. **Per doz. \$1.50.**

POMPON DAHLIAS.—Superb mixed. **Per doz. \$1.50.**

PAEONY-FLOWERED.—Superb mixed. **Per doz. \$2.00.**

Dahlias

For late summer and fall bloom they are unsurpassed for brilliancy of color, wonderful diversion of petal arrangement, and profusion of bloom. Our range is most attractive for we list hereunder, in addition to the best of the standard sorts, some of the newer varieties which have received highest awards at the world's most important exhibitions.

CULTURE.—While Dahlias are of easy culture, best results demand a well drained position where they will receive full benefit of the sun during the greater part of the day. Soil should be moderately rich and deeply dug to a depth of about 20 inches. When soil becomes warm, plant roots 30 to 36 inches apart, and when growth about a foot in height has been attained, secure plants to stout stakes. During periods of hot and dry weather plants should be watered thoroughly and roots protected from heat by mulching the ground with long strawy manure or loose material to keep soil cool. After plants have been cut down by late frosts, the roots may be lifted and carried over until next season.

For Free Delivery add 5c. each, 35c. dozen.

Collerette Dahlias

Of French origin, this type has recently been enthusiastically received in America. Flowers are single with an additional row of short petals around the disc, thus forming a frill or collar, which usually differs in color from the rest of the flower.

MAURICE RIVOIRE.—Ox blood red, shaded deeper in centre of petals. White fringed collar. **Each 20c; doz. \$2.00.**

SOUVENIR DE CHABANNE.—Showy flower of from 5 to 6 inches in diameter. Lemon yellow ground with coral red markings, long yellow collar petals tipped white. **Each 20c; doz. \$2.00.**

Decorative Dahlias

Decorative Dahlias are an intermediate form between the Cactus and Show types. Some varieties have flat petals, reflexed, incurved and curiously twisted. All are splendidly adapted for cut flower purposes.

DELICE.—Glowing rose pink. Its perfectly shaped flowers are borne on long, stiff stems. A most valuable cutting variety. **Each 25c; doz. \$2.50.**

LYNDHURST.—Brilliant cardinal red. Fine for cutting. **Each 15c; doz. \$1.50.**

MONT BLANC.—Early, free flowering variety. Creamy white, on stiff stems. An important cut flower sort. **Each 15c; doz. \$1.50.**

SYLVIA.—Soft mauve-pink gradually changing to white in centre. **Each 15c; doz. \$1.50.**

PRINCESS JULIANA.—An early, free flowering white variety. A splendid cutting sort. **Each 20c; doz. \$2.00.**

SEEDS AND BULBS EXCELLENT.

"Have been more than satisfied with your seeds and bulbs. Nothing could have given greater satisfaction."—ROBT. TURNER, Renfrew, Ont.



Type of Show Dahlia



Flowering and Decorative Plants and Roots

(Plants ready after May 15th)

What is prettier or more conducive to domestic pride than a home surrounded with beautiful flowers? Whether your grounds cover acres or consist only of a small lawn or back yard, either can be made beautiful by utilizing a selection of McDonald's Flowering and Bedding Plants. When ordering bedding plants with seeds, it is rarely we can forward both at once. Plants almost invariably follow later. While prices here given are mostly for dozen and hundred quantities, we can supply in thousand lots and upwards. No charge for packing. Shipped by express only at purchasers' expense.

ACHYRANTHUS BRILLIANTISSIMA.—Foliage plant. Deep red. Doz. 75c; per 100 \$5.50.

ANTIRRHINUM (Snapdragon).—Strong plants. Doz. 40c; 100, \$3.00.

AGERATUM.—Blue. Doz. \$1.50; 100, \$10.00.

ALYSSUM.—White. Much in demand for edging. Fragrant. Doz. 75c; per 100, \$5.50.

ASPARAGUS PLUMOSUS.—Fern-like foliage. A splendid decorative plant. Each 35c; doz. \$3.50.

ASPARAGUS SPRENGERI.—A favorite for hanging baskets or window boxes. Each 35c; doz. \$3.50.

ASTERS.—Grown from our own seed. Best sorts. In mixture or following colors: White, Rose, Crimson and Blue. Doz. 25c; per 100 \$1.75.

BALSAM (Lady's Slipper).—Doz. 40c; per 100, \$3.00.

BEGONIAS.—**TUBEROUS ROOTED.**—Giant flowering. 4-inch pots in following colors: White, Yellow, Pink, Crimson, Scarlet, or in mixture. Single: doz. \$1.50; per 100, \$10.00. Double: doz. \$2.00; per 100, \$13.50.

CALADIUM ESCULENTUM (Elephant's Ear).—Immense foliage. Each 35c; doz. \$3.50.

CANNAS.—See 82. Brandywine, each 20c; doz. \$2.00; F. Vaughan, each 20c; doz. \$2.00; Geo. Washington, each 20c; doz. \$2.00; King Humbert, each 20c; doz. \$2.00; Mrs. A. F. Conard, each 35c; doz. \$3.50.

CENTAUREA CANDIDISSIMA (Dusty Miller).—Leaves silvery-white. A foliage plant much used in window boxes, vases and edgings. Doz. \$1.50; per 100 \$10.00.

COLEUS.—Indispensable where beds of brilliant foliage are required. Splendid for edging or ribbon beds. Verschaffelti Crimson. Doz. \$1.50; per 100, \$10.00. Golden Bedder. Fine Yellow. Doz. \$1.50; per 100, \$10.00.

COBAEA SCANDENS (Cathedral Bells).—Rapid growing, climbing plant with purple, bell-shaped flowers. Doz. 75c.

ENGLISH DAISY (Bellis Perennis).—Height, 6 inches. Perennial. Doz. 50c; per 100, \$3.50.

DRACAENA INDIVISA.—Used extensively as centre plant for vases and window boxes. Each 50c; doz. \$5.00.

FERNS (Boston and Whitmani).—Each 35c to \$1.00.

FUSCHIA.—Each 25c; doz. \$2.50.

GERANIUM.—See page 82.

HELIOTROPE.—Doz. \$1.50; per 100, \$10.00.

HYDRANGEAS (Otaksa).—Each \$1.00.

LOBELIA (Crystal Palace Compacta).—Flowers rich blue. Doz. 75c; per 100, \$5.00.

LOBELIA GRACILIS.—Trailing variety. Foliage green. Flowers blue. Doz. 75c; per 100, \$5.00.

NASTURTIUM.—Dwarf or bedding: Doz. 25c; per 100, \$1.75; Tall or climbing: Doz. 25c; per 100, \$1.75.

PANSY.—Unsurpassed in richness of coloring and size of bloom. Doz. 50c; per 100, \$3.50.

PETUNIA.—Finest large flowering sorts. Doz. 75c; Good varieties. Doz. 30c; per 100, \$2.00.

PHLOX DRUMMONDII.—Fine Mixed. Doz. 30c; per 100, \$2.00.

PYRETHRUM AUREUM (Golden Feather).—Yellow foliage plant. Doz. \$1.00; per 100, \$7.50.

RICINUS (Castor Oil Plant).—Tropical-looking plants used for centres of large beds, and as screens; 8 to 10 ft. Each 20c; doz. \$2.00; per 100, \$15.00.

SALVIA (Zurich).—Dwarf growing scarlet variety. Blooms earlier than other varieties. Doz. \$2.00; per 100, \$15.00.

STOCKS.—Large flowering varieties. Doz. 40c; per 100, \$3. VERBENA.—Finest Mixed. Doz. 30c; per 100, \$2.00.

VINCA. (Major Variegata, Variegated Periwinkle).—Leaves glossy-green, margined white. Good as trailer for window boxes and vases. Doz. \$1.50; per 100, \$10.00.

TRAILING PLANTS or VINES.—For boxes, hanging baskets, or vases. Doz. \$1.50; per 100, \$10.00.

Vegetable Plants and Roots. See Page 6.



Canna

Cannas

THE KING OF BEDDING PLANTS

Improvements made in Cannas during the last few years, place them in advance of all other bedding-plants. For best effect they should be planted in masses of one color, setting plants 18 inches apart.

BRANDYWINE.—Foliage, orange. Flowers, brilliant red. A free bloomer; 3½ feet. **Each 15c; doz. \$1.50.**

FLORENCE VAUGHAN.—Foliage, green. Flowers, scarlet and yellow. Height, 3½ feet. Strong plants. **Each 15c; doz. \$1.50.**

GEORGE WASHINGTON.—Foliage, green. Flowers, deep velvety crimson, beautifully shaded. Free bloomer; 3½ feet. Strong plants. **Each 15c; doz. \$1.50.**

KING HUMBERT.—Foliage, bronze. Flowers, giant orange scarlet, with bright red markings. Height, 5 feet. Strong plants. **Each 15c; doz. \$1.50.**

MRS. ALFRED CONARD.—Foliage, rich green. Flowers, exquisite salmon pink, of largest size. The most popular of its color ever introduced. Height, 4 feet. Strong plants. **Each 25c; doz. \$2.50.**

Geraniums

EVER POPULAR FAVORITES

BEAUTE POITEVINE.—The best double salmon pink bedder. **Each 15c; doz. \$1.50.**

S. A. NUTT.—Fine, rich, dark crimson, double. One of the best bedders. **Each 15c; doz. \$1.50.**

MME. SALLEROI.—Foliage, green, bordered white. Height, 6 inches. Valuable as an edging plant. **Each 10c; doz. 75c.**

IVY-LEAVED SORTS.—Assorted colors. Useful for boxes and baskets. Strong plants. **Each 15c; doz. \$1.50.**

New Large Flowering Japan Iris, Iris Kaempferi Grandiflora

Most beautiful of all hardy Iris. Blooms average more than 6 inches in diameter and colorings are most gorgeous. Most of the varieties we list have been grown at and recommended by the Central Experimental Farm, Ottawa. Kindly order by number. The roots we send out are too large to be forwarded by mail, and can be shipped only by express or freight. **Price: each 25c; doz. \$2.50.**

- 9. **TOKYO.**—Pure white, July.
- 19. **SENJO-NO-HORA.**—Rosy Purple, spotted white, 34 ins., July.
- 29. **KAKU-JAK-URA.**—Lavender, blending with mauve. Golden base; 20 inches. July.
- 39. **HANA-AOI.**—White, veined blue. 24 inches. July.
- 49. **GEI-SHO-UI.**—Crimson-purple; 24 inches. July.
- 59. **KAGARIBI.**—White, marbled ultramarine blue. July.
- EXTRA CHOICE VARIETIES.**—Mixed 20c each; doz. \$2.00.
- IRIS GERMANICA (German Iris).**—Very large flowers with unusually broad petals. These flowers are the true Fleur-de-lis, and are well called the "Orchids of the garden." Mixed varieties comprising many colors. **Doz. 50c; postpaid, per doz. 65c.**

Hardy Lilies

A RANGE OF BEAUTIES

LILIUM AURATUM (Gold Banded Japan Lily).—One of the most beautiful of hardy lilies. White in color, with a distinct central band of bright yellow and numerous rich purple spots; 2 to 4 feet. July-Sept. Large bulbs. **Each 15c; doz. \$1.50;** Extra large bulbs. **Each 20c; doz. \$2.00.**

LILIUM CANDIDUM (Madonna or Annunciation Lily).—Flowers, pure pearl white. Fragrant. Height, 3 feet. July 1-Aug. 1. **Each 15c; doz. \$1.50.**

LONGIFLORUM GIGANTEUM (Long Flowered Easter Lily).—A magnificent, pure white trumpet-shaped flower. Robust and hardy. Very fragrant. 2 feet July. **Each 15c; doz. \$1.50.**

SPECIOSUM ALBUM.—White, with beautiful recurved petals. Fragrant; 2 feet, Sept. **Each 20c; doz. \$2.00.**

SPECIOSUM MAGNIFICUM (Improved Rubrum).—One of the best for garden culture. White, shaded rose, and spotted red. Fragrant; 2 to 3 feet. Aug.-Sept. **Each 20c; doz. \$2.00.**

TIGRINUM (Single Tiger Lily).—Flowers, orange-red, spotted purplish black; 3 feet. July to Sept. **Each 10c; doz. \$1.00.**



Geranium

Popular Hardy Perennial Plants

No garden can be considered complete that has not its share of these beautiful hardy perennials. In bloom from May till frost, according to their season, they include some of the most gorgeous and stately flowers grown. Their uses in the garden are many, aside from the merit they possess in themselves.

Achillea

PTARMICA FL. PL. (The Pearl).—Pure double white flowers borne in graceful sprays, 30-36 inches. Fl. June to October. Each 15c; doz. \$1.50.

Aconitum (Monkshood)

NAPELLUS.—Bushy plants, 4 ft. high. Flowers dark blue. Aug.-Sept. Each 15c; doz. \$1.50.

Aquilegia or Columbine

MIXED VARIETIES.—May-June; 18-30 inches. Each 15c; doz. \$1.50.

Hardy Asters

MIXED SORTS.—2½-4 ft.; Aug.-Oct. Each 15c; doz. \$1.50.

Chrysanthemum

LEUCANTHEMUM (Shasta Daisy).—Each 15c; doz. \$1.50.

Convallaria (Lily of the Valley)

MAJALIS.—Strong Clumps. Each 15c; doz. \$1.50.

Coreopsis Grandiflora Yellow

Rich, golden-yellow flowers on stems, 2 to 3 feet high, resembling a yellow cosmos. June to Oct. Each 15c; doz. \$1.50.

Delphinium (Hardy Larkspur)

Few, if any, summer plants rival the Delphinium for gorgeous coloring and stateliness of habit; 3 to 5 feet. July-Oct. Superb strain of mixed hybrids. Strong plants. Each 20c; doz. \$2.00.



Delphinium



Lilium Speciosum Magnificum

Digitalis (Foxglove)

An old-fashioned and dignified garden favorite, with tall spikes of bell shaped flowers borne well above the foliage.

GLOXINIAEFLORA MIXED.—Blooms July-Sept; height, 30 inches. Each 15c; doz. \$1.50.

Dielytra Spectabilis (Bleeding Heart)

2 feet; May. Each 25c.

Funkia (Day Lily)

Japanese perennial with attractive foliage and lily-like blossoms. Does well in shade.

SUBCORDATA GRANDIFLORA.—12-18 inches; August-October. Each 20c; doz. \$2.00.

Gaillardia (Blanket Flower)

GRANDIFLORA.—Showy flowers. Dark brown centre, while petals are marked with crimson and orange rings; 2 ft.; June to frost. Each 15c; doz. \$1.50.

Hollyhock (Althea Rosea)

Popular perennial plant, producing colossal spikes of showy flowers in most lovely shades; July-Sept.

FINE DOUBLE VARIETIES in following colors: White, Rose, Yellow, Crimson. Each 20c; doz. \$2.00.

FINE MIXED SINGLE VARIETIES.—Each 15c; doz. \$1.50.

Lupinus Polyphyllus (Lupine)

3-4 feet; June-July. Each 15c; doz. \$1.50.

Lathyrus (Everlasting or Perennial Pea)

LATIFOLIUS SCARLET.—Climber, 6 feet; July-Sept. Each 15c; doz. \$1.50.

Oriental Poppy (Papaver Orientale)

2½-3 feet; May-June. Each 15c; doz. \$1.50.

Iceland Poppy (Papaver Nudicaule)

May-June; 18-30 inches. Each 15c; doz. \$1.50.

Rudbeckia Laciniata (Golden Glow)

Old-fashioned perennial. Flowers are double golden-yellow and produced in great numbers; 3 to 10 feet; July-Sept. Each 15c; doz. \$1.50.

Sweet William (Dianthus Barbatus)

MIXED COLORS.—Each 15c; doz. \$1.50.

McDonald's Superb Paeonies

Pæonies are among the showiest of herbaceous perennials for lawn and border decoration, producing a gorgeous display of handsome blooms ranging in color from pure white to dark red or crimson. They are very hardy and endure the most severe winters without damage. They should be planted in full sunlight for best results, although a little shade at some time of the day is not harmful. The soil should be a deep, rich loam, but they will do well in almost any good garden soil. Liberal manuring is beneficial and should be given annually, for best results. Varieties listed sent by express only, not prepaid.

CHARLEMAGNE.—Lilac-white with a slight blush center. Very compact, large flower of splendid globular shape. A very free blooming variety and quite fragrant. Each 35c; doz. \$3.50.

COURONNE D'OR.—Large, imbricated, white flower; yellow reflex, with stripes of carmine and golden stamens. Extra fine late variety. Each 40c; doz. \$4.00.

EDULIS SUPERBA.—Beautiful large bloom of fine form. Color brilliant violet pink with silvery reflex. Very free bloomer and extremely early. Each 35c; doz. \$3.50.

FELIX CROUSSE.—A vigorous growing, brilliant red flower of fine globular form and enormous size. The finest red Pæony in cultivation. Fragrant. Midseason. Each 50c; doz. \$5.00.

FESTIVA MAXIMA.—The most popular white Pæony in existence. Flowers are very large, snow white, with center petals slightly tipped red. Sweet scented and early. Each 35c; doz. \$3.50.

L'INDISPENSABLE.—Rosy pink with blush center; large and very fine. Each 35c; doz. \$3.50.

LOUIS VAN HOUTTE.—Deep carmine-rose, tipped silver with fiery reflex. Very brilliant coloring. Fragrant. Late. Each 35c; doz. \$3.50.

MARIE LEMOINE.—Large, very fragrant white flower, with creamy-white center, occasionally tipped carmine. Fragrant. Very late. Each 50c; doz. \$5.00.

MARGUERITE GERARD.—Flesh color changing to soft flesh white. Exquisite, free flowering Pæony of beautiful form and charming coloring. Rare variety in limited supply. Each \$1.25.

MONSIEUR JULES ELIE.—Glossy flesh-pink shading to deeper rose. A perfect specimen and very fragrant. Vigorous growers and free bloomer. Each \$1.00.

OFFICINALIS RUBRA PLENA.—That popular old-fashioned early red Pæony. Each 25c; doz. \$2.50.

FINE MIXED.—A splendid assortment of good standard varieties, at a moderate price, which will give great satisfaction. Each 30c; doz. \$3.00.

Select Hardy Phloxes

These desirable perennials are of the easiest culture, succeeding in almost any soil or position, being extremely hardy. During the late summer and fall their large trusses of brilliant flowers make the garden bright with their wealth of bloom.

They will flower freely and continue in good condition for many years without attention, yet they respond quickly to liberal cultivation and increase in beauty from year to year. By express only, not prepaid. Each, 15c; doz. \$1.50.

COQUELICOT.—A fine, pure, orange-scarlet with purplish crimson center; 2½ feet.

ECLAIREUR.—Flowers brilliant rosy magenta, with large lighter halo. In bloom from midsummer till frost; 2½ to 3 ft.

LA VAGUE.—Pure mauve with aniline red eye. 3 ft.

MISS LINGARD.—Pure white, with lilac center; an early, free blooming variety which should be in every collection; 3 ft.

PANTHEON.—Fine deep crimson-pink, flowers suffused with white about the center.

RYNSTRUM.—Beautiful pink; fine for massing; 2½ ft.

SELMA.—Lilac-rose with conspicuous crimson eye; 3 ft.

TAPIS BLANC.—Very fine dwarf white. The best dwarf Phlox in cultivation; 1½ ft.

WM. ROBINSON.—Beautiful shade of salmon. Large flowers; 2½ ft.

FINE MIXTURE.—Each 10c; doz. \$1.00.

The Fragrant Tuberose

NEW EXCELSIOR PEARL.—An improved selection and superior to the ordinary Pearl tuberose. The flowers are perfectly double and twice the size of the ordinary tuberose, while of equally delicious fragrance. Spikes frequently bear

from 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for button-hole bouquets. Each 5c; per doz. 50c; postpaid; or per 100, at purchaser's expense, \$2.50.

McDonald's Select Roses

HOW TO GROW BEAUTIFUL ROSES

Almost any soil or situation is suitable for roses, but they attain their highest perfection in an open, sunny situation, sheltered from cold winds. Soil should be well drained and fertile, enriched, if necessary, with cow manure or bone dust. Dig up thoroughly before planting to a depth of 12 or 15 inches, and after setting out keep the surface soil loose by frequent cultivation. Pruning is necessary for the production of the finest blooms. Hardy Everblooming sorts should be cut back to about three feet in the early spring. Cutting out the very old or dead wood is sufficient for Climbing Roses, unless you want to prune them to conform to the space to be covered. For Green Fly (Aphis) use Nikoteen, "Black Leaf 40" or tobacco soap. The Bottle Atomizer Sprayer is the best for applying this as it sprays under the leaves as well as on top. It costs \$1.50.

Hybrid Perpetual Roses

These roses are the most valuable for permanent planting, as they are very hardy, vigorous growers, producing blooms of great size and beauty. Following varieties are particularly well suited to our Canadian climate. Price, by express at purchaser's expense, each 25c; doz. \$2.50.

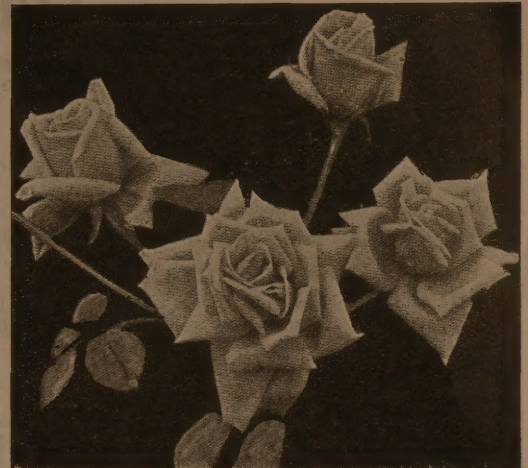


Climbing Roses

DEAN HOLE.—Salmon pink. Fragrant. Flowers large and full.
GENERAL MCARTHUR.—Vivid crimson-scarlet. Very fragrant. One of the best for outdoor planting.
GEORGE DICKSON.—Dark velvety-crimson. Veined crimson-maroon.
GRUSS AN TEPLITZ.—Perfect crimson-scarlet. Constant bloomer.
IRISH FIREFLAME.—A beautiful single-flowering variety. In bud state it is of a rich, deep orange shade, splashed with crimson, opening to satiny old gold with delicate zones of crimson and lemon. Each 40c; doz. \$4.00.
J. B. CLARK.—Deep scarlet, plum shaded. Vigorous grower.
KILLARNEY.—An exquisite shade of deep shell pink. Intensely fragrant. Remarkable for large size of its flowers and freedom of bloom.
LADY ASHTOWN.—Deep pink flowers. Exceptionally free flowering.
MME. EDOUARD HERRIOT (The "Daily Mail" Rose).—Buds, coral-red, shaded with yellow at base. The open flowers of medium size, semi-double, are of a superb coral-red, shaded with yellow and bright rosy scarlet, passing to shrimp red. Hardy and wonderfully free flowering. Each 40c; doz. \$4.00.
MADAME RAVARY.—Beautiful orange, changing to golden yellow.

Hardy Climbing Roses

Each, 35c; or \$3.50 per doz. by express, at purchaser's expense.
AVIATEUR BLERIOT.—(New Yellow Rambler). Rich saffron yellow and gold flowers; large clusters. Glossy dark foliage. Strong grower.
CRIMSON RAMBLER.—Hardy, vigorous, a free bloomer.
DOROTHY PERKINS.—Soft shell pink. Flowers in large clusters.
HIAWATHA.—Flowers crimson, with white eye.
TAUSENDSCHON (Thousand Beauties).—Deep rosy pink.



Kaiserin Augusta Victoria

ALFRED COLOMB.—Extra large flowers, cherry shaded crimson. Very fragrant.
FRAU KARL DRUSCHKI.—Best white rose for all purposes. Snowy-white, perfect in form, and superb in every way. Hardy, and very free flowering.
GENERAL JACQUEMINOT.—Rich scarlet crimson. Free flowering. Most fragrant.
HUGH DICKSON.—Fine crimson, shaded scarlet. Fragrant. A good all-round rose.
PAUL NEYRON.—Bright shining pink. One of the largest roses. Fine form, very full. Fragrant and free blooming.
ULRICH BRUNNER.—Flowers crimson flamed scarlet, immense size and globular in form. Fragrant.

Hardy Ever-Blooming Hybrid Tea Roses

Undoubtedly the most popular of all roses for garden culture. They combine the free flowering habit of the Tea Rose with the hardiness and beautiful shades and colors of other types and are delightfully fragrant. Price, by express at purchaser's expense, unless otherwise noted, each 25c; doz. \$2.50.

BESSIE BROWN.—Pure white, flushed flesh pink. Highly fragrant.
CAROLINE TESTOUT.—Rosy satin pink, of large globular shape.



Frau Karl Druschki

Hardy Shrubs

Shrubs and Climbers can be sent only by express or freight at purchaser's expense. They are too heavy to go by mail. No charge for packing.

Berberis Thunbergi

JAPANESE BARBERRY.—Desirable ornamental shrub. Foliage bright green in summer changing to deep red in autumn. Its scarlet berries remain on the plant in winter. Valuable as a hedge plant. Each 35c; per doz. \$3.50.

Deutzia

LEMOINEI.—A favorite dwarf shrub which flowers most profusely. Full flowers in cone-shaped heads of purest white. Each 35c; doz. \$3.50.

Forsythia

SUSPENS.—The weeping Forsythia. Drooping habit, with golden yellow flowers early in April. Each 35c; doz. \$3.50.

Hydrangea

PANICULATA GRANDIFLORA.—One of the most popular shrubs in cultivation, bearing immense panicles, about 1 foot long, of pure white flowers, which appear in August and soon turn to a delicate pink. Bloom the first year they are set out. Each 35c; doz. \$3.50.

Philadelphus

CORONARIUS (MOCK ORANGE).—A shrub with beautiful sweet-scented white flowers. An old favorite and one of the first to flower. Each 35c; doz. \$3.50.

Spirea

VAN HOUTTI.—Grandest of all white Spireas; of compact habit and a beautiful ornament for the lawn. It is a complete fountain of white bloom when in flower. Each 50c; doz. \$5.00.

Syringa or Hardy Lilac

This species of lilac grows to a height of from 5 to 8 feet according to variety. Blossoms are large and fragrant, borne in numerous trusses on stout stems. The handsome foliage makes them both attractive and ornamental.

CHARLES X.—Strong and rapid growing with large trusses of reddish-purple bloom.

COMMON PURPLE (SYRINGA VULGARIS).—One of the best. Fragrant, bluish-purple flowers. A standard variety.

SOUVENIR DE LOUIS SPAETH.—Immense, compact trusses of large, single purplish-red flowers.

MADAME CASIMIR PERIER.—Flowers resemble miniature Tuberoses, and are of immense size, deliciously scented, and fine for cutting. Finest double white Lilac yet introduced. Any of the above Lilacs, extra strong shrubs. Each 75c.

Symphoricarpus Racemosus

SNOWBERRY.—Popular, hardy shrub, medium size, bush form. Flowers, pink followed by clusters of large waxy white berries, which remain on the bushes until winter. Each 50c; doz. \$5.00.

Viburnum

PLICATUM (JAPAN SNOWBALL).—One of the choicest Hardy Shrubs, with healthy dark foliage, having large compact balls of pure white bloom. Flowers are quite double and as perfect as roses. Each, 50c; doz. \$5.00.

VAPOR BOTTLE SPRAYER

For all kinds of indoor or outdoor spraying. Made entirely of brass with brass ball valves; no rubber or leather to wear out. Can be used with any quart bottle by simply placing in bottle as you would a cork, having the cork fit snugly in the opening of the bottle. For spraying underneath leaves it is unexcelled; most satisfactory for spraying Garden Vegetables, Shrubbery, House Plants, sprinkling clothes. Also used for spraying disinfectants in public buildings, stables and poultry houses. Various insecticides and solutions can be used by having a separate bottle for each and changing sprayer as required. Adjustable nozzle, nicely nickel-plated. We do not supply bottle.

GUARANTEE.—If the New Vapor Bottle Sprayer proves unsatisfactory, return it to us within five days, and your money will be refunded immediately. Sprayers which have been used with Paris Green or other insecticides cannot be returned. Price, \$1.50; postpaid \$1.60.

Hardy Climbers

Shipped by express at purchaser's expense.

AMPELOPSIS ENGLEMANII. (Improved Virginia Creeper).—Dense foliage glossy light green in color, changing in autumn to brilliant crimson. Each 35c; doz. \$3.50.

AMPELOPSIS VEITCHII (Boston Ivy).—Popular and desirable climbing plant for covering stone, brick, or wood in walls and trees. Each 25c; doz. \$2.50.

ARISTOLOCHIA SIPHO (Dutchman's Pipe Vine).—Hardy, strong growing vine, with large heart-shaped leaves. Each 50c; doz. \$5.00.

Clematis

JACKMANNII.—Comes into bloom in July and continues until cut off by frosts. The color of the flowers is an intense violet purple, distinctively veined, and of rich velvety appearance. Each 35c.

HENRYII.—Large creamy white. Each, 35c.

VILLE DE LYON.—The nearest approach to a red yet introduced; flowers being of a magnificent, brilliant crimson. Each 35c.

PANICULATA (Sweet Scented Japan Clematis).—Flowers are of medium size, but pure white, very fragrant and borne in immense sheets of bloom. Each, 35c.

Honeysuckle

HONEYSUCKLE (HALLIANA).—A fragrant, free-flowering, hardy evergreen with pure white flowers, turning to yellow. Fragrant. Each 40c; doz. \$4.00.



Spirea Van Houtti

Effective Insecticides and Fungicides



APHIS PUNK.—A special nicotine fumigant for the extermination of green and black fly, thrip, and other insects, in greenhouses and conservatories. Pkg. 75c.

ARSENATE OF LEAD.—An effective insecticide for codling moth, potato bug and

leaf eating insects. Equally as poisonous as Paris green, it is not nearly so harmful to the plants. Price, 1 lb. jar 30c; 5 lb. crock, \$1.00; 10 lb. keg, \$1.75; 20 lb. keg, \$3.25; 50 lb. keg, \$7.50.

BLACK LEAF 40.—Fruits, vegetables, flowers, shrubs, are subject to attack by myriads of insect enemies. The common soft-bodied sucking insects are aphids (plant lice), thrips and leaf hoppers, attacking a variety of plants, roses, and other flowers, shrubs, fruits and vegetables. They may be controlled effectively by spraying with "Black Leaf 40," which is a concentrated solution of nicotine sulphate, guaranteed to contain not less than 40 per cent of nicotine by weight. Recommended in Canada and the U. S. by experts of high professional standing. Full directions on containers. 1 oz. bottle, 30c; 1-2 lb. tin, 75c; 2 lb. tin, \$2.50.

BORDEAUX MIXTURE (Grasselli).—Spray for blight, mildew, curled leaf, etc. Prepared all ready for use. Price, quart, 50c; 5-lb. \$1.25; 10 lbs. \$2.25.

CHURCH'S POTATO BUG FINISH.—Highly desirable for destruction of potato bugs. Use 25 lbs. to acre, dusting on with fine sieve, or open burlap bag. Price, 10 lbs. 30c; 25 lbs. 60c; 100 lbs. \$2.00; 300 lbs. bbl. \$5.50.

COOPER'S DIPPING POWDER.—Best known means of destroying ticks, stopping the fly, and preventing and curing the scab. Also promotes the growth of wool, improving appearance and condition of flock. Per packet, sufficient for 25 gallons of fluid, 60c; postpaid, 75c.

COOPER'S FLUID DIP.—Easy to mix, simple to use. Guaranteed under the Insecticide Act, 1910. No objectionable odor. Will not stain wool or clothing. Contains 60 per cent of pure Cresol suitably combined to maintain maximum disinfecting qualities. Three to five times as strong as carbolic acid. Can be used for lice and mites on poultry roosts and runs, for cattle and in the home. 4 oz. bottle, 30c; quart can, 75c; gallon, \$2.25.

BLOOD FLOUR.—Quick acting; immediately soluble; useful for flowering plants such as Carnations and Roses, 5 lbs. 35c; 25 lbs. \$1.25; 100 lbs. \$4.00.

BOWKER'S LAWN AND GARDEN FERTILIZER.—Especially promotes vigorous, healthy growth of luxuriant grass, beautiful flowering plants, and crisp, tender vegetables. A complete fertilizer, supplying all plant food materials required by vegetation, in form best adapted to produce perfect, healthy growth.

Quantity to apply and prices: 10 lb. bag for 1,000 sq. ft. of lawn or 500 sq. ft. of garden, 60c; 25 lb. bag for 2,500 sq. ft. of lawn or 1,200 sq. ft. of garden, \$1.25; 50 lb. bag for 5,000 sq. ft. of lawn or 2,500 sq. ft. of garden, \$2.25; 100 lb. bag for 1 acre of lawn or 1/2 acre of garden, \$3.75.

FREEMAN'S FLOWER FERTILIZER.—For house plants, giving rich color to foliage and insuring richer and brighter flowers. Per pkg. 2 lbs. 25c.

LANDPLASTER or GYPSUM.—Desirable in conjunction with stable manure. Also extensively used by potato growers for mixing with Paris Green for application to vine, being mixed at the rate of 100 lbs. of plaster with from 1 to 2 lbs. of Paris Green. 100 lbs. 75c.

NITRATE OF SODA.—Best and least expensive method of applying nitrogen to plants. Use only after plants are above ground. Apply at rate of one ounce to each gallon of

COPPER SULPHATE OR BLUESTONE.—Extensively used in preparation of Bordeaux Mixture. Price, per lb. 30c; 10 lbs. \$2.80; 100 lbs. \$25.00.

COPPER SOLUTION.—Concentrated liquid, ready for use on trees, vines or vegetables affected with rot, blight, or scab, with safety to foliage. Quart cans, sufficient to make 25 gallons, \$1.00.

CUT WORM FOOD.—Worm eats this poisonous food in preference to plants. One pound sufficient for 75 to 100 plants. 1 lb. carton, 30c; 5 lbs. \$1.10.

FIR TREE OIL.—Destroys all plant insects without injuring plant. Recommended for house plants. Price, 1-2 pint, 50c.

FORMALDEHYDE.—Prevents smut and other fungus diseases on wheat, barley, oats and other grains and scab on potatoes. Pint, 40c; quart, 75c; gallon, \$2.25.

GISHURST COMPOUND.—For destroying red spider, scale, mealy bug. Price, box 40c.



GRAPE DUST (Hammonds).—Excellent for prevention and destruction of mildew on roses, grapes, gooseberries. Per pkg. 25c.

HELLEBORE.—For destruction of slugs, worms, caterpillars; less poisonous than Paris Green, and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved, 1 oz. to 3 gallons of water. Price, 1-4 lb. 30c; 1-2 lb. 50c; 1 lb. 90c.

LEMON OIL.—A safe, cheap, and effective insecticide; makes an excellent wash for dogs, curing mange and killing insects. Dilute with from 40 to 50 parts water. Price, pint 75c.

LIME SULPHUR.—Best remedy for San Jose scale. One gallon makes 10. Also one of best Summer sprays, an excellent fungicide. In summer dilute with 20 to 30 parts water. Per qt. can, 30c; 1 gal. 60c; 5 gal. can, \$2.00; bbl. 50 gals., per gal. 35c.

NIKOTEEN.—Liquid insecticide for florists, gardeners and private conservatories. Price, 1-2 oz. bottle 25c; 1 3-4 oz. bottle 50c; 1-2 pint \$1.00; pint \$2.00.

NO-FLY-NEAR.—Liquid preparation; effectively protects cows and horses from flies without injury to hide or taint to milk. Price, per quart 35c; 1-2 gal. 60c; imperial gallon \$1.00.

PARIS GREEN (best quality).—Price, lb. tin 60c; 1-2 lb. tins 35c.

If larger quantities required ask for special quotations.

"ACME" ATOMIZER.—The "Acme" is the most effective Sprayer of its class to-day in the market. Tube is made of heavy tin; fount of galvanized iron. Price, each 60c.

PYRETHRUM POWDER.—Lb. 75c; 1-2 lb. 40c.

SLUG SHOT (Hammonds).—Price, 5 lb. pkg. 40c.

SULPHUR (Powdered).—Lb. 10c; 25 lbs. \$1.25; 100 lbs. sack \$4.50.

SULPHO TOBACCO SOAP.—Excellent remedy for green fly on roses. Per cake, 10c and 20c.

SULPHUR CANDLE.—For fumigating sick rooms, greenhouses, and conservatories. Each 15c; 3 for 40c.

TOBACCO PAPER.—Most effective fumigating material. Per lb. 60c.

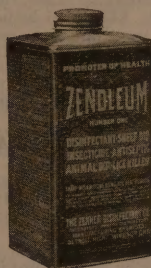
TOBACCO EXTRACT (Hammonds).—Destroys Plant Lice. Red Spiders, Sheep Ticks. Per pint 75c.

TREE TANGLEFOOT.—Sticky substance applied directly to bark as protection against moths, ants, worms and other creeping insects. 1 lb. can 35c; 3 lbs. \$1.00.

VAPORITE.—English preparation for destroying grubs, slugs, cutworms, wireworms, ants, beetles, woodlice, millipedes, centipedes. Use at the rate of 1 lb. to 8 square yards. 1-2 lb. tin, 35c; 7 lb. tin, 60c.

WEED KILLER (Hammonds).—Prevents weeds and grass growing on paths and drives, or wherever vegetation is not wanted. Per quart 50c.

WHALE OIL SOAP.—One of the best insecticides for plants when affected with scale insect. Strongly recommended by the Central Experimental Farm. Price, per tin, 25c.



ZENOLEUM DISINFECTANT AND SHEEP DIP.—Used and endorsed by heads of Fifty Canadian and American Agricultural Colleges, and other experts. Leading breeders and stockmen use it almost exclusively. Is an antiseptic and germ killer. Every owner of cattle, sheep or hogs needs Zenoleum every day. A powerful disinfectant for barn, pens and stables. Quart size, 50c; 1-2 gal. 90c; gal. size \$1.50.

McDonald's Fertilizers Increase Production

Scientifically prepared, besides enriching the soil they exert a directly beneficial influence on the vegetation.

BLOOD FLOUR.—Quick acting; immediately soluble; useful for flowering plants such as Carnations and Roses, 5 lbs. 35c; 25 lbs. \$1.25; 100 lbs. \$4.00.

BOWKER'S LAWN AND GARDEN FERTILIZER.—Especially promotes vigorous, healthy growth of luxuriant grass, beautiful flowering plants, and crisp, tender vegetables. A complete fertilizer, supplying all plant food materials required by vegetation, in form best adapted to produce perfect, healthy growth.

Quantity to apply and prices: 10 lb. bag for 1,000 sq. ft. of lawn or 500 sq. ft. of garden, 60c; 25 lb. bag for 2,500 sq. ft. of lawn or 1,200 sq. ft. of garden, \$1.25; 50 lb. bag for 5,000 sq. ft. of lawn or 2,500 sq. ft. of garden, \$2.25; 100 lb. bag for 1 acre of lawn or 1/2 acre of garden, \$3.75.

FREEMAN'S FLOWER FERTILIZER.—For house plants, giving rich color to foliage and insuring richer and brighter flowers. Per pkg. 2 lbs. 25c.

LANDPLASTER or GYPSUM.—Desirable in conjunction with stable manure. Also extensively used by potato growers for mixing with Paris Green for application to vine, being mixed at the rate of 100 lbs. of plaster with from 1 to 2 lbs. of Paris Green. 100 lbs. 75c.

NITRATE OF SODA.—Best and least expensive method of applying nitrogen to plants. Use only after plants are above ground. Apply at rate of one ounce to each gallon of

water in liquid form; or 100 lbs. per acre, which is usually mixed with landplaster or other fertilizers to make application more easy. Lb. 10c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.50; 100 lbs. \$5.00.

POTATO MANURE.—Compounded particularly as a high-grade fertilizer to produce the largest and finest quality of potato. 100 lbs. \$3.00.

PURE BONE MEAL.—Excellent top dressing for lawns, grass lands, farm, field and garden crops. Quantity required for small plots is about one quarter pound per square yard. Lb. 10c; 2 lbs. 15c; 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 90c; 50 lbs. \$1.60; 100 lb. sack, \$3.00.

SHEEP MANURE (Pulverized).—For garden, lawn, or greenhouse. Produces immediate results. May be used in liquid form, one pound being sufficient for five gallons water. Lb. 10c; 2 lbs. 15c; 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 65c; 50 lbs. \$1.00; 100 lb. sack \$1.75.

SUPERPHOSPHATES.—While not a complete manure, containing neither Ammonia nor Potash, it supplies to the plant plenty of Phosphoric Acid in a readily soluble form. To ensure an abundant crop of grain, corn, etc., use from 400 to 600 lbs. per acre, in conjunction with a light dressing of farm manure. 100 lb. sack, \$1.40.

SURE GROWTH.—A general fertilizer for all soils and crops, but especially desirable for potatoes and root crops. Guaranteed

analysis: Ammonia, 3%; available Phosphoric Acid, 7%; Potash, 2%. 100 lb. sack, \$2.75.

SWARD FODDER (Hammonds).—Makes the grass grow, also vegetables and flowers. An excellent concentrated fertilizer for lawns and small gardens. 5 lb. package, 35c.

THOMSON'S SPECIAL FLOWER AND VEGETABLE MANURE.—A perfect plant food of British manufacture. Used by successful gardeners the world over for flowers, vegetables and out-door plants, also lawns and bowling greens. Indispensable in the garden. Tins 20c; 35c, and 75c, according to size. Bags, 28 lbs. \$2.00; 56 lbs. \$3.75; 112 lbs. \$7.00.

VEGETABLE MANURE.—Prepared specially for vegetable crops requiring a strong, quick, fertilizer. Apply broadcast at the rate of one pound for every two or three square yards, then rake in to depth of about one inch. Guaranteed analysis: Ammonia, 4%; available Phosphoric Acid, 9%. 50 lb. sack, \$1.50; 100 lb. sack, \$2.75.

WALKER'S EXCELSIOR PLANT FOOD.—The essence of plant life. An odorless preparation, combining in a highly concentrated and soluble form every element required in plants and flowers to produce vigorous, healthy growth, and profusion of blooms. Quick in action, enabling one to see its effects in a few days time. Price, by mail, postpaid, 2 1-2 oz. size, 15c; 5 oz. size, 25c; 12 oz. size, 50c.

SUNDRIES

Sprayers and Spray Pumps

ACME ATOMIZER. (1) The most satisfactory sprayer obtainable at the price. Made of tin and galvanized iron. Each, 60c.

AUTO COMPRESSED AIR SPRAYER. (4) Holds 4 gallons. One pumping will spray 10 minutes. Will do all kinds of garden and field crop spraying, also whitewashing and disinfecting. Made with tank of either brass or galvanized. Each, galvanized, \$5.50; Brass, \$7.50.

AYLMER SPRAY PUMP. (10) A powerful high-grade pump of large capacity and simple construction. All working parts of brass. Complete, mounted in barrel as shown in cut for orchard spraying, \$20.00; with 4-row Potato Sprayer instead of iron extension rod, \$24.00.

BOTTLE ATOMIZER. (8) A small but very powerful and satisfactory hand sprayer. Made of brass throughout and nicely nickel-plated. We do not supply bottle. Each, \$1.50; postpaid, \$1.60.

EUREKA COMPRESSED AIR SPRAYER. (9) Materials and all working parts strictly the best throughout. With reasonable care will last for years. Galvanized tank with brass fittings, \$7.00.

JUNIOR No. 5 SPRAY AND FORCE PUMP. (3) Double action, throwing a continuous stream or spray. Made of brass throughout. Each, \$4.00; 3 ft. brass extension pipe, 50c. each extra.

SCOLLAY'S RUBBER SPRINKLERS. (12) Straight or angle neck. Large, each, \$1.25; postpaid, \$1.40.

SMITH'S BUCKET PUMP. (5) Double brass cylinder; excellent for bucket use. Sprays coarse or fine. Each, \$4.00.

SMITH'S SINGLE TUBE SPRAYER. (2) Made of tin; throws fine spray over wide area. Excellent for spraying insecticides and fly oils. Each, 50c.

SPRAMOTOR POTATO SPRAYING OUTFIT. (13) Composed of following parts: No. 2 Spramotor mounted in barrel; 4-ply rubber hose with couplings; patent hand valve; 4-row adjustable brass rod with nozzles and special strainer. Price, \$35.00; freight paid to purchaser's station.

SPRAMOTOR WHEEL OUTFIT. (6) Composed of No. 0 Spramotor pump fitted to small or half barrel, neatly painted and mounted on strong iron wheels, complete with strainer, hose, patent hand valve and iron extension rod and nozzle. A most convenient and servicable outfit. Price, \$24.00.

STANDARD SPRAY PUMP. (30) A simple and direct acting force pump, so designed and fitted that friction is reduced to a minimum. Recommended by Dominion Entomologist. Desirable for all classes of spraying. Price, with 5-ft. hose, \$5.00; 10-ft. hose, \$5.50; 5-ft. hose with Knapsack and Potato Extension, \$9.00; with 10-ft. hose, \$9.50.

SYRINGES. (31) English make; all brass, two roses and jet. Length, 18 inches; diameter, 1½ in., each, \$4.00; 16 inches, 1¼ in. diameter, \$2.75. Lighter make, 16 inches, 1¼ in. diameter, each, \$1.50.

UNIVERSAL SUCCESS WHITEWASHING OUTFIT. (11) This outfit is everything that can be desired in the size; fitted with "Success" pump as described above and mounted in a heavy galvanized 4-gallon tank with strainer and foot rest attached. Price, \$11.00.

Nozzles and Sprayer Accessories

"BORDEAUX" NOZZLE. (20) Throws a solid stream, a coarse spray or fine mist. Easily disgorger. Each, \$1.00; postpaid, \$1.05.

"CLIMAX" NOZZLE. (22) Disgorges by pushing against fence or trees. Each, 60c; postpaid, 65c.

"SIMPLEX" NOZZLE. (21) Two styles, straight or angle. The latest and best for Lime Sulphur or heavy spraying materials. Each, 60c; postpaid, 65c.

"VERMOREL" NOZZLE. (23) Provided with spring disgorger, so that all obstructions are readily forced out. Each, \$1.00; postpaid, \$1.05.

BAMBOO EXTENSION PIPES. Brass lined with patent drip guard. 4-ft. \$2.25; 6-ft. \$2.50; 8-ft. \$2.75; 10-ft. \$3.50.

HAND VALVE "SPRAMOTOR" (Patent) (24) Each, postpaid, \$1.10.

STOP-COCK, "SPRAMOTOR" (19) Each, postpaid, \$1.00.

Powder Guns and Dusters

"ACME" POWDER GUN. (15) An excellent distributor for effectually and economically applying powder insecticides. Single bellows, each, \$1.25; double bellows, each, \$2.25.

DICKEY BUG DEATH DUSTER. (17) Very desirable for light work. Each, 25c; postpaid, 35c.

ENGLISH POWDER DISTRIBUTOR. (16) Made of rubber; for house plants and conservatory use. Each, \$1.10.

JUMBO POWDER GUN. (14) Excellent for applying all dry powdered insecticides. Each, 25c; postpaid, 35c.

Lawn Requisites

EDGING KNIVES. (36) Best English Steel; wood handle. Each, \$1.25 and \$1.50.

EDGER, LAWN AND TURF. (47) "Planet Jr." An excellent tool for trimming around the edge of flower beds, walks and roads. Price, complete, \$7.50.

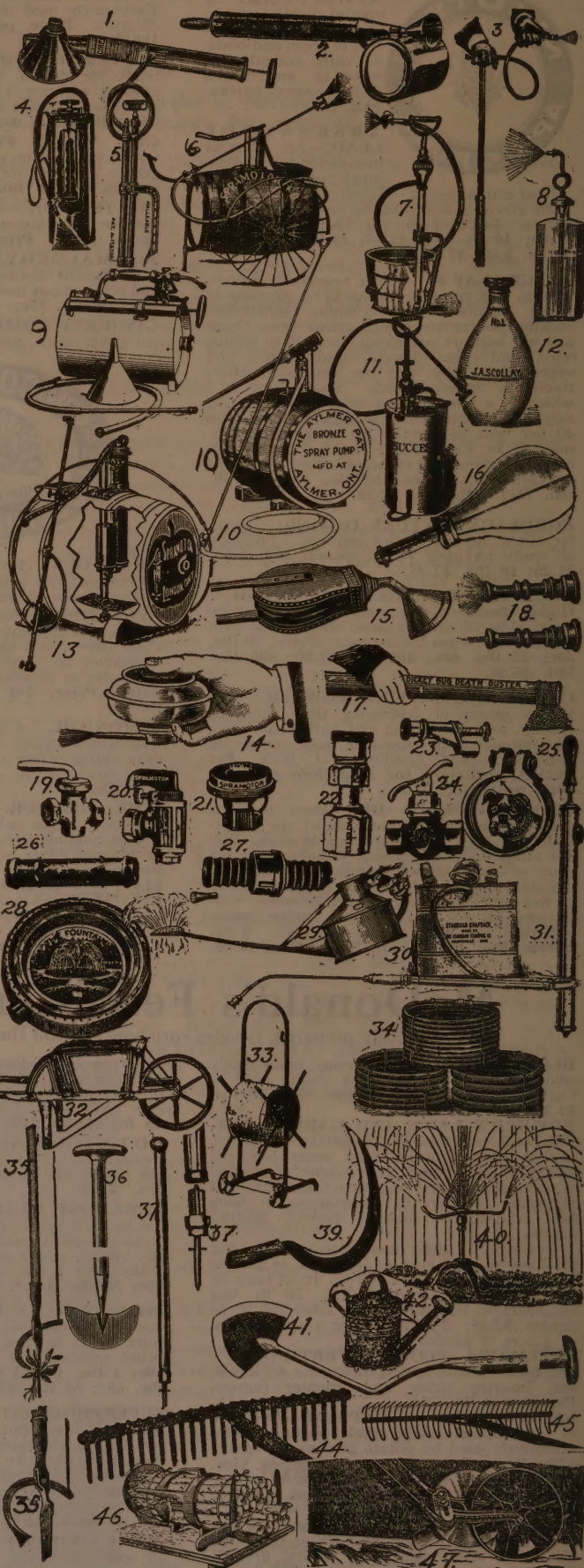
FENCE. Cyclone Lawn. (100) Made of heavy galvanized wire; strong, attractive and durable.

	3-ft.	3½-ft.	4-ft.
Less than 25 ft. per foot.....	14c	15c	17c
25 feet to 100 feet, per foot.....	13c	14c	16c
100 feet or over, per foot.....	12c	13c	15c

FLOWER BED GUARD, "Cyclone" (100) Affords ample protection against dogs, cats, chickens, and keeps children from running over flowers. Bottom of pickets left straight to be inserted in ground.

16-inch, per foot, 9c; 25 feet or more, 8c per ft.

22-inch per foot, 10c; 25 feet or more, 9c. per ft.





FLOWER VASES. (153) Very ornamental for Lawns, Gardens, Parks, Cemeteries. Each, \$10.00. Can also supply more elaborate designs in different heights.

GATES, "Cyclone" Lawn. 3-ft. wide x 42-in. high with scroll, \$3.50 3-ft. wide x 36-in. high with scroll, \$3.25

GRASS CATCHERS. (111) State width of lawn mower blade. Price, \$1.50 each.

HOSE (Rubber) (34).

Extra Quality Corrugated. Nonkinkable; will last for years. Can supply in any length. $\frac{1}{2}$ inch, 4 ply, per foot, 15c.

"Black Diamond." Fine 4-ply quality; fully guaranteed. $\frac{1}{2}$ inch, 12c per foot; $\frac{3}{4}$ inch, 15c per foot.

"Bull Dog." 3-ply quality; 25 and 50 foot lengths; couplings included. $\frac{1}{2}$ inch, per foot, 8c; $\frac{3}{4}$ inch, per foot, 9c.

HOSE NOZZLES, COUPLINGS, MENDERS AND WASHERS.

Clamps. (25) Best galvanized. Each, 5c.

Couplings. (27) $\frac{1}{2}$ inch and $\frac{3}{4}$ inch, per pair, 20c.

Menders. (26) **The Cooper.** Made of copper with sharp barbs to prevent hose slipping off. Each, 10c.

Nozzles. "Gem" (18) Adjustable for coarse or fine spray, or straight stream. Solid brass, each, 75c.

Washers. Made of rubber. $\frac{1}{2}$ and $\frac{3}{4}$ inch, doz. 10c.

HOSE REELS. Cleveland. (33) All iron and steel; strictly first-class article. Each, \$3.00.

MOWERS. "New Chicago", (115) A low-priced mower but not a cheap machine, being built of first-class materials throughout; strong and well finished. Price, 14 inch, \$5.00; 16 inch, \$5.50.

Electric Ball Bearing. High-grade hardened steel balls with patent adjustment; cups and cones dust-proof. Reel has four blades of best grade knife steel. Easy running and attractively finished. Price, 14-inch, \$6.50; 16-inch, \$7.00.

Townsend's "Flyer" Ball Bearing Mower. Design and materials very similar to "Orange," but parts are smaller and wheels 9 inches. Reel, $5\frac{1}{2}$ -inch fitted with four blades of finest oil tempered crucible steel. Strong, light running and beautifully finished. Price, 16-inch, \$11.50; 18-inch, \$12.50; 20-inch, \$13.00.

Townsend's Orange Ball Bearing Mower. Unequalled in materials, workmanship and finish. Built on the two gear principle, which makes it quick and keen in action, easy running and silent. 10-inch wheels; $5\frac{1}{2}$ -inch reel with four blades, and micrometer adjustment for cones and ball cups. Knives will retain cutting edge longer than any other machine on the market. Price, 16-inch, \$16.00; 18-inch, \$17.50; 20-inch, \$19.00.

Townsend's Superb. A perfectly made and beautifully finished mower. Its extra large wheels, coupled with a very large reel enables it to go through grass that would choke the ordinary mower. Specially suited to large parks and estates. 18", \$22.00; 20", \$24.00; 22", \$26.00.

Townsend's "Gleaner" Ball Bearing Lawn Trimmer. (112) A strong, light and powerful trimmer. 9-inch wheel, $5\frac{1}{2}$ -inch reel and 8-inch cut. Price, \$8.50.

RAKES. Ole Olsen Lawn Rake. (44) Well made from straight-grain hardwood, thoroughly seasoned and oil finished. Price, straight or curved head, 75c.

Reversible Lawn Rake. (45) Made of the best grade steel wire and heavily tinned. Price, 60c.

Star Lawn Rake. Made from one piece of sheet steel; concaved with saw teeth. Price, 60c.

ROLLERS. Dunham Waterweight Lawn Rollers. (110) Electric welded, making the water section one solid drum. Supplied in one or two sections. Fitted with roller bearings; easiest working roller on the market. All supplied with counterbalancing handle weights.

No.	Diameter inches.	Length inches.	Sections	Weight empty.	Filled with water.	Filled with sand.	Price
4	18	24	1	135	360	560	\$14.00
6	24	24	1	185	560	860	19.00
10	16	24	2	160	360	560	19.00
12	24	32	2	230	710	1,060	24.00

RUSTIC CHAIRS. Made of unpeeled cedar; several good designs. Each, \$1.50.

RUSTIC HANGING BASKETS. Each \$1.00.

RUSTIC SETTEES. (157) Strongly built of best quality cedar. Width about 3 $\frac{1}{2}$ feet. Each, \$2.00.

RUSTIC PLANT STANDS. Round; medium size.....Each, \$1.50.

RUSTIC PLANT STANDS. Round; large size.....Each, \$1.75.

RUSTIC PLANT STANDS. Square; medium size.....Each, \$1.75.

RUSTIC PLANT STANDS. Square; large size.....Each, \$2.00.

RUSTIC TABLES. Square, and about 3 x 3-ft.....Each, \$3.00.

RUSTIC VERANDAH BOXES. Prices, \$1.50 to \$2.50, according to size.

WIRE HANGING BASKETS. (119) Ordinary, 30c; better quality, 10-inch, 40c; 12-inch, 50c; 14-inch, 60c.

WIRE HANGING BASKETS TRIPODS. Very effective for display of hanging baskets on lawns, in cemeteries, etc. Each, \$1.50.

SPRINKLERS.

Columbia. (40) Short tripod style with revolving arms. Height, 12 inches. Each, \$1.75.

Aetna. Similar in style to "Columbia," but 20 inches in height and heavier weight. Each, \$2.25.

Fountain. (28) Solid brass ring. Each, 90c.

WEEDERS.

Cleveland Lawn Weeder. (35) With this tool weeds can be drawn from the ground in a jiffy without the necessity of stooping. Each, 75c.

"Dandy Lion" Weed Killer. (37) Kills dandelions, burdock and other weeds quickly and easily, without cutting or pulling. Each, \$1.75.

English Lawn Weeder. (104) Each, 50c.

Garden Tools and Requisites

ARCHANGEL MATS. (97) For covering hot beds; size, 9-ft. x 4½-ft. Price, each, 75c.

ASPARAGUS BUNCHER. (46) By the use of this device asparagus is quickly and uniformly bunched. Each, \$2.25.

ASPARAGUS KNIFE. (109) Saves much time and gathers the crop in better shape. Each, \$1.00.

BASKETS, BERRY BOXES AND CRATES.

Berry Boxes. (106) Quart size, per crate of 250, \$1.35; per 1,000, \$5.00.

Berry Box Crates. 24-quart size. Each, 25c; doz., \$2.50.

English Garden Baskets. (108) Desirable for gathering small vegetables, fruits, flowers. Two sizes, 45c and 60c.

Fruit Baskets.	(105)	Per doz.	Per 25	Per 100
11 qt. or 15 lb. size.....		\$.75	\$1.50	\$5.75
6 qt. or 10 lb. size.....		.70	1.40	5.25
11 qt. Covers.....		.20	.40	1.50
6 qt. Covers.....		.20	.40	1.50

Galvanized Steel Baskets. (102) Made of corrugated steel with reinforced bottom and heavy rope handles. Light, strong and durable. ½ bush. \$1.00; 1 bush. \$1.50; 1½ bush. \$1.75; 2 bush. \$2.00; 2½ bush. \$2.75.

Market Baskets:

Peeled Willow. Each, 75c, 90c, and \$1.25.

Satchel Market. Medium splint. No. 4, 30c; No. 5, 35c; No. 6, 40c.

Plant Boxes. (107) Price, per crate of 200, \$1.90.

Unpeeled Willow Baskets. (101) Extensively used for roots, ensilage, etc. Strong and durable. Round, 1 bush. 60c; 1½ bush. 75c; 2 bush. 90c; 3 bush. \$1.20; 3½ bush. \$1.35; 4 bush. \$1.75.

CARNATION SUPPORTS. Galvanized wire; three rings to a plant. Sufficient for 100 plants, \$3.50;

CEMETERY BOUQUET HOLDERS. (Fig. 82) A desirable article for holding cut flowers in cemeteries. Price: green, each 25c; galvanized, 30c.

CORN PLANTERS. "Eureka" (116) Dropping device is so arranged that uniform planting is assured. Each, \$1.60.

DIBBERS. (118) English "D" Handle, each, 50c; Wood Handle. (117) 35c.

EXTENSION LADDERS. (133) Made from selected wood, and well reinforced with strong No. 7 steel wire. Supplied in 20, 24, 28 and 32-foot lengths. Price, 25c per foot.

FLOWER POT HANGERS. Small Size, (122) For pots up to 5 inches, each, 10c; doz. \$1.00; Large Size, (121) For pots up to 10 inches, each, 15c; doz. \$1.50.

FLOWER POTS, SAUCERS, TUBS.

Standard Pots (127)

Inside Measurement is given; Diameter and depth equal.

Size	Each	Doz.	Per 100
2 inch		\$.10	\$.75
2½ "		.12	.90
3 "	\$.02	.15	1.10
4 "	.03	.25	1.60
5 "	.04	.35	2.50
6 "	.07	.50	3.75
7 "	.10	.85	6.80
8 "	.15	1.50	10.00
9 "	.20	2.00	15.00
10 "	.30	3.00	
12 "	.50	5.50	
14 "	.75	8.00	

Fern Pans (130)

Same diameter as Standard Pots, but only half as high.

Size	Each	Doz.	Per 100
6 inch	\$.05	\$.55	\$3.75
7 "	.08	.75	5.00
8 "	.12	1.25	9.00
10 "	.25	2.25	
12 "	.35	3.50	
14 "	.50	5.00	

Azalea Pots (128)

Same diameter as Standard Pots, but only two-thirds as high.

Size	Each	Doz.	Per 100
6 inch	\$.07	\$.50	\$3.75
7 "	.10	.85	6.50
8 "	.15	1.50	10.00

SAUCERS—Half Price of Pots.

Pearce Paper Pots. (126) Waterproof, light, clean and unbreakable. One-tenth weight of standard clay pots.

Write for sample pot and quotation on large quantities.

Size	Each	Doz.	Per 100.
2½ inch	\$.01½	\$.10	\$.50
3 "	.02	.12	.65
4 "	.02½	.20	1.00
5 "	.04	.30	1.65
6 "	.05	.40	2.25

Plant Tubs. (125) Made of Cypress wood, complete with handles; painted green. Diameter and depth about the same.

No. 1. 12-inch diameter, \$1.25; No. 2. 13-inch diameter, \$1.50.

No. 3. 14-inch diameter, \$2.00; No. 4. 15-inch diameter, \$2.50.



FORKS.

Digging Forks. (159) English make, for Ladies' use Each, \$1.00.
Digging Forks. (159) English make, Men's heavy. Each, \$1.50.
Ensilage Forks. 8-tine "D" handle; each, \$1.80.
Hand Weeding Forks. (124) Each, 35c.
Hay Forks. (138) 3-tine straight. Each 55c; Bent, 60c.
Manure Forks. (137) 4-tine long handle. Each, 80c.
Manure Forks. (135) 4-tine "D" handle. Each, 90c.
Manure Forks. 5-tine long handle. Each, \$1.15.
Manure Forks. 5-tine "D" handle. Each, \$1.20.
Manure Forks. 6-tine long handle. Each, \$1.35.
Manure Forks. 6-tine long handle. Each, \$1.35.
Manure Forks. 6-tine "D" handle. Each, \$1.40.

GARDEN GLOVES. (139) Men's Cotton. Per pair, 10c and 15c; Leather, 50c; Ladies' Cotton, per pair, 25c; English Leather, for ladies' use, per pair, 75c.

GARDEN LINES. (143) Best Italian hemp. 30-yds., 35c; 60-yds., 60c.

GARDEN LINE REELS. (120) Flat galvanized, \$1.00; Flat black, 75c; Triangular, black, \$1.00.

GARDEN SETS. (149) Assorted Lines, composed of from 3 to 6 pieces. Per set, \$1.00; \$1.25; \$2.50 and \$3.50.

GLAZING PUTTY. (166) Twemlow's Old English. Per gallon, \$2.25.

GLAZING POINTS. "Peerless." Per 1,000, \$1.00.

GLAZING PUTTY DISTRIBUTOR. (73) Price, each, \$1.25.

GRAFTING WAX. (155) 1-4 lb. 15c; 1-2 lb. 25c; 1 lb. 30c.

GRASS HOOKS AND SICKLES.

Barden's English. Each, 50c; Cast Steel, (39) 35c; Little Giant, (165) Fine English Steel, charcoal tempered, 50c.

HAMMERS. Garden. (158) English make. 65c and 75c.

HAND CULTIVATORS AND HOES.

"Buco." (145) Every man with a garden, large or small, should have this tool. Each, \$1.00.

"Caxton." (144) 3-prong for use of women or children. Each, 75c.

"Cuma." (146) A miniature "Caxton," with short handle. Each, 35c.

HOES.

"Eureka" Dutch Hoe. (163) Strong, yet light and flexible. Each 50c.

"Eureka" Open Hoe. (164) Very limber and easy to use. Each, 50c.

Garden Hoe. (161) Style most generally used for garden work. Each 50c to 60c. Ladies' Garden Hoe. Same pattern, but smaller size. Each, 45c.

Hoe and Rake Combined. (162) Splendid tool for ladies' use. Each 60c.

The "Paxton" Scuffle Hoe. (141) English make; solid hammered steel. Each, \$1.10.

The "Perfect" Dutch Hoe. (142) English make; solid hammered steel. Each, \$1.10. Same style, stamped steel, Each, 90c.

LABELS, STAKES, Etc.

Bamboo Canes. (75)	Doz.	100
2½-ft. Green.	20c	\$1.50
4-ft. Light, plain.	15c	1.00
4-ft. Heavy, plain.	40c	3.00
4-ft. Medium, green.	30c	2.50
5-ft. Medium, plain.	25c	2.00
5-ft. Medium, green.	40c	3.00
5-ft. Heavy, plain.	50c	4.00
6-ft. Medium, plain.	45c	3.50
6-ft. Heavy, plain.	60c	4.50
7-ft. Heavy, plain.	75c	5.50

Garden Markers. The "Ideal." Metal. Each, 5c; doz. 50c.

Label Ink. Per bottle, 15c.

Pencils. (48) Indelible for marking labels, etc. Each, 10c; doz. 90c

Plant Stakes. (53) Painted green; for supporting Dahlias, Gladioli, etc. 5-ft., 60c.

Pot Labels. (94) Wood, painted.

Size	Per 100	Per 1,000	Size	Per 100	Per 1,000
4" x 5/8"	20c	\$1.20	8" x 3/4"	40c	\$3.75
5" x 5/8"	25c	1.50	10" x 3/4"	50c	4.00
6" x 3/4"	30c	1.75	12" x 1 1/8"	90c	8.00

Suspending Labels for Trees and Shrubs. (94)

Wood, Copper Wired, 3 1/2 x 5/8 plain, per 100, 35c; per 1,000, \$2.50.

Wood, Copper Wired, 3 1/2 x 5/8 painted; per 100, 40c; per 1,000 \$3.00.

Zinc, wired, 3 x 5/8, per doz. 15c; per 100, \$1.00.

Copper, Chandler make. Indestructible. Box of 30, 35c.

MATTOCKS. (52) Hand-hammered English make. Each, 75c.

MEASURES. (51) Government Standard; made of wood. 1/2-gal. 20c; 1-gal. 25c; peck, 40c; 1/2-bush. 60c.

PLANT STANDS. (123) Made of steel wire throughout and finished in green. Price, as shown in cut, each, \$8.00. Can also supply several other designs.

PLOWS. (98) We carry a complete line of Percival and Wilkinson Plows. Percival, 1-horse, \$11.00; Nos. 5x, 6, 7, 8, 10 and 12, each \$13.50 delivered, freight paid. Wilkinson. 1-horse, \$11.00; Nos. 3, 4, 5 and 7, \$13.50 each, delivered freight paid.

POTTING SOIL. Specially prepared for indoor potting. Gal. 15c; peck, 25c; bush, 50c.

PRUNERS. Barrows' Patent Pruners. (96) No better pruner made for light work, such as roses, shrubbery and small fruits. Each, \$1.75; postpaid, \$1.85.

"Clean Cut" Tree Pruner. Complete with long handle, \$1.50.

Knives, Pruning. (169) English make; stag handles. Each, \$1.00 and \$1.25.

Saws, Lightning Double Edge. (64) Price, 75c.

Waters' Improved Tree Pruner. (81) The most extensively used of all long-handled pruners; blade stays open when lever is raised, permitting of both hands being used in placing the hook. Price: 6-ft. handle, 75c; 8-ft. \$1.00; 10-ft. \$1.25; 12-ft. \$1.50.

Grass Border Shears. 10-inch blade, \$2.50.

Grass Border Shears. (66) With wheel, 10-inch, \$2.75.

Hedge Shears. (68) Fine English make, \$1.25, \$1.50, and \$1.75.

Lawn Shears. (69) Long handles; 9 1/2-inch plain, \$2.50; with wheels, \$2.75.

Lopping Shears. (71) Fine English make, per pair, \$2.50.

Pruning Shears or Secateurs. (63) English make; large assortment. Per pair, \$1.00, \$1.25 and \$2.00. Ladies' size, \$1.00.

Sheep or Grass Shears. (72) Per pair, 50c, 90c and \$1.25.

RAKES. Garden, Forged Steel. Straight or concave teeth. 12-tooth, 50c; 14-tooth, 60c; 16-tooth, 75c.

Garden, English make. 14-tooth, 85c; 16-tooth, \$1.00.

Garden Malleable. 12-tooth, 30c; 14-tooth, 40c.

RAFFIA. (50) Plain, natural color; for tying vegetables and plants. Lb. 25c.

Colored. For tying and making of baskets. Several colors, per lb. 60c.

SCISSORS. Flower Gathering. (54) 4-inch, 75c; 6-inch, \$1.00.

Grape Thinning. (56) 5-inch, 50c.

Pruning. (55) 4-inch, 60c; 6-inch, 75c.

SCYTHES. Fine English Steel. (65) Hand-hammered and guaranteed right in temper. Each, \$1.25.

SCYTHE SNATHS. According to quality, 75c, 80c, 90c and \$1.00.

SEED CLEANERS. The "Clipper," No. 1-B. (62) Leading and best all-round farm mill without exception, and the only hand air-cleaner made. Cleans all classes of seed and grain in one operation. Set of ten screens, specially selected by Secretary, Canadian Seed Growers' Association, supplied with each machine. Write for descriptive circular. Price, \$30.00.

SEED SOWERS. For Garden use, see inside back cover page.

The "Cyclone" Broadcast. (49) Bears a national reputation as a high-grade seed sower. Built for durability and accurate work. Just the thing for sowing all kinds of clover and grass seed. Each, \$1.75; postpaid, \$2.00.

The "Perfect" Broadcast. Each, \$1.75; postpaid, \$2.00.

SIEVES. (70) For use with garden soil. English make; oak frame, reinforced with steel wire. Each, \$1.50.

SPADES AND SHOVELS.

Boy's Spade. English make; light but strong. Each, 60c.

English Garden Spades. (74) Made from fine quality of steel; very strong, durable and well finished, \$1.50, \$1.60 and \$1.70.

Garden Spades. Canadian made. 75c and 90c.

SPHAGNUM MOSS. (52) For growing orchids and packing trees, shrubs, etc. Per bale, \$2.50.

THERMOMETERS. For House and Conservatory.

Dairy. (77) Flange; high-grade, metal. Each, 60c.

Dairy, Glass Floating. Each, 25c; 35c and 50c.

House, All Glass. (76) Each, 8-inch, \$1.00; 10-inch, \$1.25.

House, Copper Case. (78) Each, 8-inch, 60c; 10-inch, 75c.

House, Mahogany. Each, 8-inch, 30c; 10-inch, 45c.

House, Oak. Each, 8-inch, 75c; 10-inch, \$1.00.

Hotbed or Mushroom. (79) Each, \$1.25 and \$2.00.

TOMATO SUPPORTS. (80) Made of heavy galvanized wire; used for Peonies or Tomatoes. Each, 25c; doz. \$2.50.

TRELLIS WIRE. (92) "Cyclone," For vines, climbing roses, etc. Per running foot, 12c.

TROWELS. 4 1/2-inch Berry, 50c; 6-inch Heavy Garden, (85) 60c; 6-inch Medium Garden, 15c; 6-inch Light Garden, (84) 15c; 6-inch Fern, Light, 40c; English made Trowels, 6-inch Garden, 35c; 6-inch Garden, long handle (87) 40c; 6-inch Fern, 55c; Transplanting Hoe Trowel, (89) 60c; Bulb Trowel (86), 75c.

TURF IRONS or Sod Lifters. (41) Best quality English tool steel; hand-hammered. Two patterns, \$3.50 and \$4.00.

TWINE. Binder Twine, 5-lb. balls; each, 90c; Tar Twine, (83) per ball, 25c.

WALL NAILS. Francis' Wall Nails. For securing vines to wood, brick and stone walls, per box, 50c.

Rex Tags. (93) A very desirable article for the purpose. Per box, 25c.

WATER BARREL ON TRUCK. (95) A full barrel of water can be picked up by simply tipping the truck; supplied with steel wheels. Price, truck and barrel only, \$18.00. With Truck, Barrel and Box, complete, \$24.00.

WATERING CANS.

Regular Style. (42) Galvanized: 6-qt. 75c; 10-qt. 90c; 14-qt. \$1.10.

Regular Style. Japanned: 1-qt. 30c; 2-qts. 40c; 3-qts. 45c; 6-qts. 55c; 10-qts. 70c; 14-qts. 80c.

Haw's Original English Can. (29) All Roses and Joints are brass and material throughout is extra heavy. Capacity, 1 to 12 quarts. Prices, \$2.50 to \$4.00 each.

WEEDERS. Garden for Hand Use.

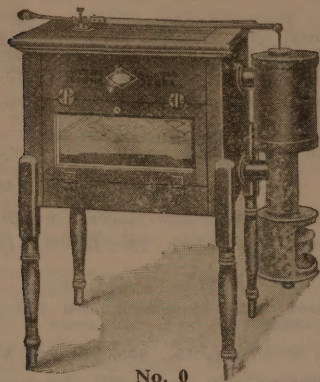
Excelsior. (88) each 15c, 2 for 25c; Hazeltine. (90) each, 30c.

Lang's Improved. (91) each, 25c.

WHEEL BARROWS. For Garden and Farm use. (32) Price, Light, \$3.00; Medium, \$3.75; Heavy, \$4.50.

MAKE MORE PROFITS ON POULTRY

It is not so much the number of hens you have, but how you keep them, that determines your success. As in any other endeavor, the man who aims at efficiency, plans for greater results, is the one who is most successful. We offer many helps to the poultry raiser and suggest a careful study of these pages as being well worth your while.



No. 0
Incubator—Capacity, 70 Eggs

STANDARD CYPHERS INCUBATORS.—Fire-proof, insurable, guaranteed to be the best hatchers of the largest percentage of strong, vigorous, healthy chicks. Beginners obtain immediate success with them. Every machine warranted.

Big hatches of strong, rapidly-growing chicks are yours from the start if you operate with Cyphers Incubators. You run no risk of failure. Tens of thousands are using them **all over the world**, big poultry farms, keen buyers of the best use dozens of them; small owners cannot afford to be without them. For 20 years they have been hatching successfully. They last longer, require less attention and produce stronger chicks than any other.

Why take chances, waste valuable time, with inferior equipment when the **world's standard** is yours for practically the same price? Beginners, **ensure big, successful hatches from the start**, by using the Cyphers Incubators. Whether you prefer a hot-air or hot-water incubator, there is a Cypher-built machine in a size to suit your needs.

Built to hatch successfully in all climates, under widely different conditions, in the hands of all sorts of people. With reasonable care will last a lifetime. **Satisfaction guaranteed.** No. 0 Incubator, capacity 70 eggs, **Price, \$18.00.** No. 1, capacity 144 eggs, **\$27.00.** No. 2, capacity 244 eggs, **\$38.00.** No. 3, capacity 390 eggs, **\$44.00.**



Small Size
Columbia
Incubator
Capacity, 140 Eggs

COLUMBIA HOT-AIR INCUBATOR.—Best at the price. Has wooden case, finished in dark green, with brass trimmings and double, well-insulated walls. Seamless-bottom lamp bowl, best quality brass burner. **Cyphers complete regulator.** Fume-proof, forced draft heater. Automatic in ventilation and embodies diffusive principle. **Fully guaranteed.** Prices: 140 eggs, **\$19;** 250 eggs, **\$26.**

CYPHERS FOOD AND WATER CUPS. Galvanized Iron. Can be secured to any style of coop. Half Pint. Each, 25c; doz. **\$2.50.**

CYPHERS GRIT AND SHELL BOX.—Galvanized Iron. Grit, Oyster-shell and charcoal compartments. Each, 70c. |

CYPHERS DRY FOOD HOPPER.—Similar to above but larger, having two compartments, 3 and 6 quarts. Each, 90c.

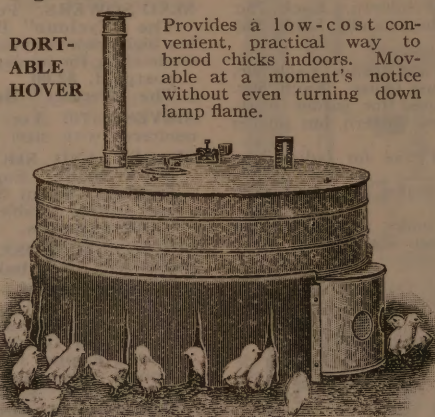
STANDARD CROCK FOUNT.—Stoneware. Cannot tip. One Gallon size, 60c.

CYPHERS COMBINATION FOOD AND WATER HOLDERS.—Small size, 45c; medium, 75c; large, **\$1.00.**

MOE'S ROUND BABY CHICK FEEDER. Prevents chicks waddling in feed. Also used for water. Small size, 25c; large size, 35c.

CYPHERS KEEP-CLEAN WALL FOUNTAINS.—Prevents water from getting dirty. Frost does not damage. Gal. size, 75c; 2 gal. **\$1.00.**

**PORT-
ABLE
HOVER**



Provides a low-cost convenient, practical way to brood chicks indoors. Movable at a moment's notice without even turning down lamp flame.

All metal, self-regulating, self-ventilating, complete brooding devise, automatic and economical. Needs no brooder case or box enclosure. Chicks on level of room floor at all times. Fully guaranteed, **\$11.**

ADAPTABLE HOVER.—A popular and efficient outdoor and indoor brooder at a low price. Many thousands in successful use. **Self-regulating, self-ventilating,** fume and gas proof, all metal and fireproof. Lamp cannot blow out. Easily attached to **home-made brooder case**, large goods box, or small colony house; can be used in any hen house, closed shed or outbuilding. Used in all Standard Cyphers Brooders. Fully guaranteed, **\$11.**

CYPHERS SEPARABLE DRINKING FOUNTS.—Galvanized iron. 1 qt., each, 30c; 2 qts. 45c; 3½ qts. 50c; Duck size, (2 gal.), 80c.

CYPHERS SEPARABLE WALL FOUNTAINS.—Opens for cleaning and filling. Galvanized Iron. 5 qt. size, **\$1;** 9 qt. size, **\$1.25.**

SANITARY POULTRY FOUNTAINS.—Two parts, making it easy to clean. One gallon size, 60c.

CYPHERS LICE-PROOF PERCH SUPPORTS.—Will help eliminate lice and mites. Strong, two styles, Upright, 55c each; doz. **\$5.50.** Wall, 45c each, doz. **\$4.50.**



No. 3 Incubator—Capacity, 390 Eggs

STANDARD CYPHERS BROODERS.—Unequaled as efficient brooding heater combined with latest improved brooder case. Equipped with Cyphers Adaptable Hover. Most popular brooders on market. Keep chicks **safe and comfortable in any weather.** Convenient to use, easy to clean, readily movable. Shipped knock-down at lowest freight rates. Style A, for outdoor use, has two apartments, **\$19.** Style B, for outdoor use, has three apartments, **\$23.** Style C, same as Style B, but has double insulated walls in hover apartment, for cold climates, **\$25.**

CYPHERS X-RAY EGG TESTER.—Fits ordinary hand lamp. 35c; postpaid, 45c.

CYPHERS AUTOMATIC MOISTURE DEVICE.—To add moisture to air during incubation. **\$2.00.**

BLUE FLAME GAS BURNER.—If you have gas use it to heat incubator or brooder, size of which state when ordering. 65c; postpaid, 75c.

CYPHERS INCUBATOR LAMP BURNERS. Each, No. 0, 50c; No. 1, 50c; No. 2, 60c; postpaid.

WICKS.—State size of machine. No. 0 and No. 1, two for 5c, or 20c doz; Nos. 2 and 3, three for 10c, or 25c doz.

CYPHERS SAFETY BROODER STOVE.—For home brooders. Excellent. **\$2.75.**

CYPHERS INSULATED BROODER STOVE Galvanized. For home-made brooders. Will not explode. Each, **\$2.75.**



Small Size, Superior
Capacity, 65 Eggs

SUPERIOR HOT-WATER HATCHER.—Has all the time-tried features of Cyphers Standard design. Water boiler and tubular tank heating system of heavy-weight copper; lamp has seamless bowl; burner A1; case is **wood**, attractively finished in golden brown, brass trimmings; has double walls well insulated; equipped with Standard Cyphers Complete Regulator. Has **forced water circulation**, automatic in ventilation. **Fully guaranteed.** Capacity, 65 eggs, **\$15;** capacity, 130 eggs, **\$19.**

WIRE NESTS.—Vermin-proof, indestructible. Easily kept clean. Coppered wire, reinforced with similar steel ribs. Screw or hook to wall. Each, 20c; doz. \$2. Steel wire, black japanned. Each, 15c; doz. \$1.50.



"Double-Quick" Grain Sprouter

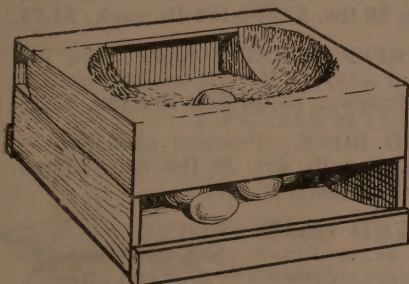
"DOUBLE-QUICK" GRAIN SPROUTER. The perpetual poultry silo that grows green-feed while you wait. Sprouts in 20 to 30 hours; makes two to six bushels of green feed from one of dry grain. Makes your hens yield heavily in consequence of the ideal feed it produces. Pays for itself in a short time. No. 1, \$7; No. 2, \$8.75; No. 3, \$12.50; No. 4, \$14.75; No. 5, \$23.00.

WRICO BROOD COOP.—Heavy galvanized iron, perfectly ventilated. 24" x 20" when closed, giving ample room for exercise. 46" long when opened, \$3.50.

NORWICK AUTOMATIC EXERCISER & FEEDER.—Rat, bird, rain, damp-proof. No lost feed. Boy can feed one thousand hens. Increases egg yield. 8 qt. \$3.25; 14 qt. \$4.00; 20 qt. \$5.00; 32 qt. \$6.00.

CYPHERS EGG-PRESERVATIVE.—A tasteless, odorless preparation that will keep fresh eggs in excellent condition six to ten months. One gallon sufficient for 65 dozen eggs. Half-gallon, 60c; gallon, \$1.00.

CYPHERS TESTED THERMOMETERS.—It is necessary to use only reliable Tested Thermometers such as these. For incubator, 65c, postpaid 75c. For Adaptable Hover, 50c, postpaid 60c. For Portable Hover, 50c, postpaid 65c. State size brooder you use.



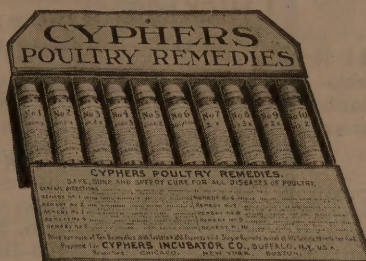
Vigilant Egg Trap Nest

THE VIGILANT EGG TRAP NEST.—Prevents hens from eating eggs, which roll into lower section when dropped. Guarantees pure, fresh eggs. Each, 60c.

CYPHERS "JUMBO" POWDER GUN.—Spout bottom unscrews for filling. Each 35c; postpaid, 40c.

CYPHERS SANITARY CHICK SERVERS. For supplying food and water to small chicks. 35c each, postpaid, 45c.

CYPHERS MEDICAL CASE.—For poultry. Contains ten long-tested dependable remedies for every common disease of fowls. Directions on label. Will last average raiser one to five years. Cloth covered case. Postpaid, \$2.25.



Poultry Medical Case

Made-in-Canada Ware

Our Canadian-made line of galvanized ware is meeting with great success, owing to the more favorable price at which it can be sold. Cyphers line is most highly recommended, but some of our customers wish less expensive but well-constructed, durable supplies and we strongly recommend these goods.

DRY FOOD HOPPERS.—Economical, self-feeding; for beef-scrap or grain. Feed always before fowl. Each, 75c; 3 for \$2.00.

DRY FOOD CHICK HOPPERS.—Similar to above but for use of chicks. 8" x 5", two compartments. One quart size. Each, 50c; 3 for \$1.25.

GRIT AND SHELL BOX.—Similar to Cyphers in its uses. Each, 60c; 3 for \$1.50.

COOP CUPS.—Desirable for watering or feeding birds in exhibition cages; of galvanized iron with extension wires to hold them. Each 15c; doz. \$1.50.

WALL FOUNTS.—Galvanized steel. Frost will not damage. Two larger sizes have flat backs so they can be placed flush with the wall. Hood over trough prevents dirt getting in water. One qt. 40c; 1 gal. 60c; 2 gal. 80c.

SEPARABLE WALL FOUNTAINS.—Galvanized iron. Bottom pan removable. Drinking outlet at either side. Rests on shelf or ground or fastened against wall by irons attached. One gal. 75c; 2 gals. \$1.00.

FREEDOM WATER FOUNTS.—Galvanized steel with solid bottom or separable bottom. Solid bottom, 1 qt. size, 30c; 1 gal. 40c; 1 gal. 50c; 2 gals. 60c. Separable bottom: 10c more, except 2 gallon size, which is 15c more.

WALL FEED PANS FOR CHICKS.—Desirable for feeding wet or dry mash, grain, grit, charcoal, etc. 14" size, 1 pt. 15c; 24" size, 2 qts. 25c.

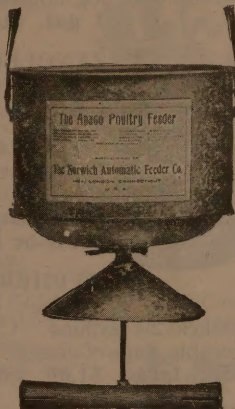
FEED AND WATER HOLDER.—Birds cannot get into it. 10" length, 1 pt. 40c; 18" length, 3 qts. 60c; 24" length, 5 qts. 80c.

EGG TESTER.—Fits on ordinary oil lamp; each 30c; postpaid, 40c.

EATON'S PEERLESS DRY FOOD HOPPER.—Rat-proof. Will feed grains, dry mash, moist mash, beef scrap, equally well. Waste impossible. Hens have to exercise for each mouthful. Automatic pulley supplied with each for hanging it. 8 qt. (10 to 15 birds), \$1.50; 18 qt. (15 to 30 birds), \$2; 32 qt. (30 to 50 birds), \$2.50.

THE APACO FEEDER.

Twenty-eight gauge galvanized, tight-coated sheeting, malleable and gray iron castings for valves, agitators, collars, etc. Guaranteed best on market. If it does not give satisfaction, return it to us and money will be cheerfully refunded. Saves 25% of grain used by other systems. Has adjusting valve for regulating the discharge from hopper. 12 quart size, \$1.50.



MODEL TOE MARKER.—Cuts clean. Nickel-plated. 50c, or postpaid 60c.

IMPROVED CHAMPION LEG BANDS.—One piece, fits any fowl, double lock, impossible to loosen. Aluminum, large raised figures, 1 to 100. 12, 15c; 25, 25c; 50, 40c; 100, 75c, postpaid.



Nest Eggs

Ovinaphthalene Nest Eggs.—Combined nest egg and lice killer. A sure death. Its obnoxious fumes are fatal to all vermin. Each, 10c; 6 for 50c; doz. 90c.



Knox Lice Expelling Nest Egg.—Does not taint nor injure hatching eggs. Looks like a Plymouth Rock egg. Each, 10c; 6 for 50c; doz. 90c.

Opal Glass Nest Eggs.—Made of fine flint glass. Easily warmed by hen. Each, 5c; doz. 40c.

McDonald's Medicated Nest Egg.—Sure lice killer. Saves cost many times over. Each, 10c; 3 for 25c; 6 for 40c; doz. 75c.

Lime Nest Eggs.—Strong, cheap, durable. Doz. 40c; postpaid, 55c.



PERFECT POCKET POULTRY PUNCH

This is an all-steel, nickel-plated device for which there is a large demand among poultrymen who do not require a larger and more expensive tool. Punches a clean hole of the right size, and will not bruise the chick's foot. Made in one size only.

Price: each, postpaid, 25c.

CYPHERS LICE POWDER.—Contains no carbolic acid or other chemicals injurious to the plumage or eggs. Easily applied and effective. 15 oz. 25c; 48 oz. 50c; postpaid, 40c and 70c.

CYPHERS LICE PAINT.—A remedy for red or spider mites. Economical. Valuable also for stables and hog houses. 1 qt. 40c; 1-2 gal. 70c; 1 gal. \$1.20; by express only.



ZENOLEUM LICE POWDER.—Cartons with sifter top. 16 oz. 25c; postpaid, 40c.

"THE CRATER" SULPHUR FUMIGATING CANDLE.—Microbe, germ and vermin killer. Safe. Each, 15c; postpaid, 20c; 1-2 doz. by express or freight, 75c.

CYPHERS ROUP REMEDY.—Small package dissolved in drinking water makes 25 gallons. Cures except in last and incurable stage of disease. Small size, 30c; medium, 55c; large, \$1.00, postpaid.

ZENOLEUM.—Powerful disinfectant and germicide, kills vermin and nearly every form of chicken disease. Harmless, non-inflammable, increases incubator hatches. By express only.—25c, 50c, 90c and \$1.50.

POULTRY PANACEA.—Makes hens lay and is an anti-septic. 11-2 lb. 35c; postpaid, 50c; 5 lbs. 85c; postpaid, \$1.20; 12 lbs. (by express), \$1.75; 25 lb. pail, \$3.50.



INSTANT LOUSE KILLER.—Sprinkled on poultry, roosts and nests its work is immediately effective. In sifting-top cartons. 1 lb. 35c; postpaid, 50c; 3 lbs. 85c; postpaid, \$1.10.

PRATT'S WHITE DIARRHOEA REMEDY.—Saves dollars worth of little chicks. 25c; postpaid, 30c.

PRATT'S BABY CHICK FOOD.—Recommended for the first three weeks. Bought by the ton by

leading farms to raise chicks. 3 lbs. 25c; 6½ lbs. 50c; 14-lb. bag, \$1.00.

CONKEY'S ROUP REMEDY.—Quickly reduces swelling. Given in drinking water. 25c and 50c; postpaid, 28c and 55c.

CONKEY'S ROUP PILLS.—Most effective. Fine for use in show-room. Packages, 25c and 50c; postpaid, 28c and 55c.

RUST'S HAVENS' ROUP PILLS.—Act directly on the glands and mucous membrane.

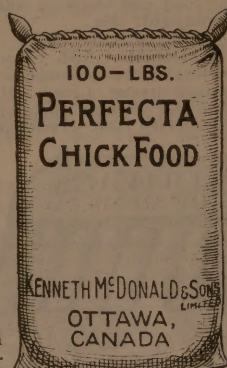
Best for roup, catarrh and cold. 30 pills, 25c; 112, 50c; 250, \$1.00; postpaid, 30c, 55c and \$1.10.

RUST'S HAVENS' CLIMAX POWDER.—Contains no antimony, arsenic, or anything harmful. Cures fowl-cholera, gapes, diarrhoea, rheumatism, etc. Continued use desirable. 13 oz. 25c; postpaid, 30c; 32 oz. 50c; postpaid, 65c; 5-lb. box, by express, \$1.00; 8-lb. box, \$1.50.



STUDY YOUR POULTRY PROBLEMS

Study your poultry as you would any other problem and study the modern methods employed by experienced poultrymen. Get some good books on poultry, such as are listed on page 96, and read them carefully. You will be surprised how much there is to learn—and pleased at the better results you will obtain when in possession of more knowledge on this interesting subject.



Perfecta Balanced-Ration Poultry Foods

Are mixed by special formula to meet exact requirements.

Special Quotations made on orders for 500 lbs. or more.

PERFECTA CHICK FOOD.—A scientific feed of seven different grains for young chicks. 1 lb. 6c; 5 lbs. 25c; 25 lbs. \$1.10; 100-lb. sack, \$4.00.

PERFECTA DEVELOPING FOOD.—A dry-grain granulated mixture for chicks over six weeks. Follows preceding food. 1 lb. 5c; 6 lbs. 25c; 25 lbs. \$1.00; 50 lbs. \$1.90; 100-lb. sack, \$3.60.

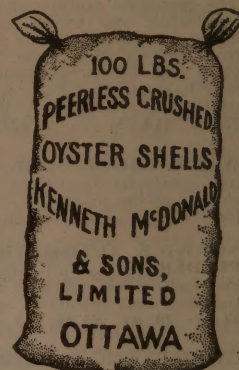
PERFECTA SCRATCHING FOOD.—Exercise insures a continuous egg yield. This feed contains good variety of grains that must be scratched for. 1 lb. 5c; 6 lbs. 25c; 25 lbs. \$1.00; 50 lbs. \$1.80; 100-lb. sack, \$3.50.

CYPHERS SHORT-CUT ALFALFA.—Guaranteed 95% pure. 1 lb. 5c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.25.

MEALD ALFALFA.—Prices same as Short-Cut.

CYPHERS HIGH PROTEIN MEAT SCRAP.—Pure; no pork or fat. 1 lb. 5c; 100-lb. sack, \$4.50.

PERFECTA LAYING MASH.—A balanced ration of ground grains. Blood Meal and Alfalfa, ready mixed. Hopper and wet mash feeding. Gives greatest egg yield. 1 lb. 5c; 6 lbs. 25c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100-lb. sack, \$3.25.



BLATCHFORD'S MILK MASH.—Perfect substitute for milk. Ideal mixture. 25 lbs. \$1.35; 50 lbs. \$2.50; 100 lbs. \$4.75.

"RED STAR" FISH SCRAP.—Made from fresh fish. 1 lb. 5c; 25 lbs. \$1.10; 50 lbs. \$2.; 100 lbs. \$3.90.

MEAT BONE SCRAP.—Sanitary and sweet. 1 lb. 5c; 6 lbs. 25c; 50 lbs. \$2.00; 100-lb. sack, \$3.75.

STANDARD BEEF SCRAP.—Made from perfectly fresh meat scraps. May be fed dry, in mash, or with cooked rations. 1 lb. 5c; 100 lbs. \$4.25.

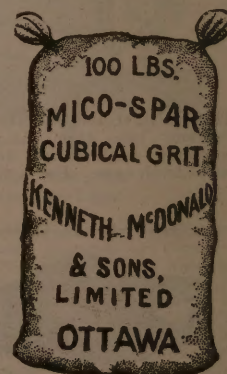
GRANULATED BONE.—Provides phosphate of lime and protein. 1 lb. 4c; 25 lbs. 85c; 50 lbs. \$1.60; 100 lbs. \$3.00.

GRANULATED CHARCOAL.—Used as blood purifier and disease preventer.

Pkge. 10c; 6 lbs. 25c; 25 lbs. 90c; 50 lbs. \$1.50; 100 lbs. \$2.50.

OYSTER SHELL.—Helps produce eggs. 10 lbs. 20c; 20 lbs. 30c; 50 lbs. 60c; 100 lbs. \$1.00.

MICO-SPAR CUBICAL GRIT.—Contains sodium, magnesium, lime and iron. Endorsed by largest poultry raisers. No. 1 for turkeys; No. 2 for fowl and poultry; No. 3 for growing chicks; No. 4 for chicks, pigeons and ducks. 10 lbs. 20c; 20 lbs. 30c; 50 lbs. 50c; 100 lbs. 90c.



Practical Poultry Supplies



ROYAL PURPLE POULTRY SPECIFIC.—The great egg producer and poultry conditioner. Package, 50c; postpaid, 65c; tins four times as large, \$1.50.

ROYAL PURPLE CALF MEAL.—The new milk substitute. Made of grains scientifically combined as a substitute for milk and to produce maximum amount of bone, muscle and fat without interfering with calf's digestion. Easily and quickly prepared; greatly relished. 25-lb. sack, \$1.25; 50-lb. sack, \$2.25; 100-lb. sack, \$4.25.

BITTER LICK



ROYAL PURPLE STOCK SPECIFIC.—The great farm animal conditioner. Pkg. 50c; postpaid, 65c; tins four times as large, \$1.50.

BITTER LICK MEDICATED SALT BRICK.—Pure, highly concentrated, medicated salt, properly proportioned to make stock healthy and keep them so. 2 lb. cakes, 25c; doz. \$2.50.

BITTER LICK HOLDERS.—Made of steel to attach to wall. Each 20c; doz. \$2.00.

BLATCHFORD'S CALF MEAL.—One pound is equal in food value to a gallon of milk and costs but 5c. Every heifer calf of good parentage should be raised to maturity, as it takes less than three years to turn one into a dairy cow. The time to make sure of having a first-class milker is when you are feeding your calves. Blatchford's Calf Meal is invaluable for weaning calves. It is thoroughly cooked and prepared for digestion. One pound makes 100 gallons of milk-equal. Made by a firm that has been in business over 115 years. Send for special free booklet. 25 lb. bag, \$1.25; 50 lb. bag, \$2.25; 100 lb. bag, \$4.25; by freight or express.

BLATCHFORD'S SUGAR AND FLAX SEED.—Ideal food for horses, cattle, sheep or hogs in preparing for market, or show-ring. 20 lb. bag, \$1.00; 50 lb. bag, \$2.25; 100 lb. bag, \$4.25.

BONE CUTTERS.—No. 5-B. New Model. For flocks of 15 to 25 hens. Can also be used for flocks of 100 hens. Patented automatic governing spring feed. Six inch cylinder, 4 inches deep. Cutter plate has four knives. \$10.75.

No. 5-B.M. New Model—Exactly same as above machine, with addition of iron stand. \$13.50.

No. 7. New Model.—For use with flocks of 40 to 100 hens. Can be profitably used for 200 hens. Mounted on iron stand, with table for box to receive cut bone. Patented New Model, automatic governing spring feed. Large open-hinged cylinder, giving instant access to all working parts. Six special knives, gear guard, anti-clog device. Heavy balance wheel with adjustable handle. Capacity $\frac{1}{2}$ to 1 lb. a minute. \$16.50.

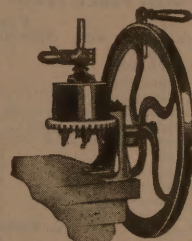
No. 9. New Model.—For use with flocks of 100 to 300 hens. Same style as No. 7, having larger or 9 inch cylinder, greater holding capacity, different design and larger table. Capacity $\frac{3}{4}$ to 1 $\frac{1}{4}$ lbs. a minute. \$22.00.

No. 7 $\frac{1}{2}$ Semi-Power.—Requires only $\frac{1}{2}$ to 1 horse-power. Capacity 50 to 100 lbs. per hour. \$24.00.

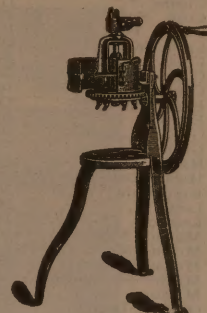
Mann's No. 12.—Requiring one to two horse-power. Capacity 120 to 150 lbs. an hour. \$38.50.

WILSON'S GEM CLOVER CUTTER.—Steel and iron throughout. Screw feed adjustable cutter bar, which is easily removed. Hardened steel shaft. Price, with short iron legs to bolt to table, \$12.

BLACK HAWK CORN SHELLER.—Recognized as the standard sheller. Lasts a lifetime. \$2.75.



No. 5B Bone Cutter



No. 9 Bone Cutter



"KEY-RING" COLORED LEG BANDS

Made of Celluloid in ten colors: Black, white, dark blue, pink, light blue, red, garnet, green, yellow and purple. Light as a feather; will last indefinitely; simply and easily put on or taken off, yet perfectly secure. With this band you can know your fowls on sight and as far away as you are able to distinguish color. When ordering state variety of birds for which the bands are wanted.

Prices postpaid, 12 for 20c; 25 for 35c; 50 for 60c; 100 for \$1.00. Small size for baby chicks or pigeons, 12 for 15c; 25 for 25c; 50 for 40c; 100 for 75c.

Desirable Tools for Garden Work

The Eureka Scuffle Hoe and Weeder

Made of thin, elastic, oil-tempered steel. This is a most convenient tool for garden weeding and cultivating in the average garden. Works very easily through the ground just below the surface, loosening and at the same time pulverising the soil and cutting off all weeds by a push and pull motion. Saves you time and labor. Price, each 60c.

LANG'S HAND WEEDER

HANDIEST TOOL



The best weeder of the hand class. Its special advantage over similar hand weeders is that it has a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price, postpaid 30c.

This scientifically constructed hoe is unequalled for hilling or cultivating vegetables or plants. Breaks up the ground, plows, hills, cuts weeds and grass. Furthermore it cultivates the soil better, and does the work in half the time required when an ordinary hoe is used.

It is infinitely more satisfactory than any old-style hoe gotten up for this purpose. Price, each 75c.

The Warren or Heart-Shaped Hoe



Classified



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Peas	30-31				Echinops	63	Poppy	71				
Pop Corn	19				English Daisy	59	Portulaca	73				
Potatoes	33				Eschscholtzia	63	Primula	73				
Pumpkin	32				Forget-Me-Not	63	Pyrethrum	73				
Radish	34				Four O'Clocks	67	Ricinus	73				
Rhubarb	35				Foxglove	67	Rocket	73				
					Gaillardia	64	Romneya	73				
					Geranium	64	Rudbeckia	73				
					Gladiolus	79	Salpiglossis	73				

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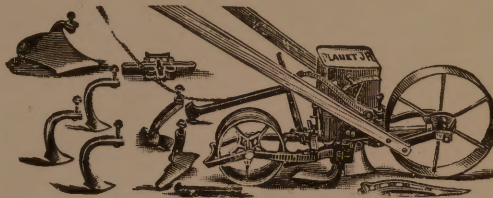
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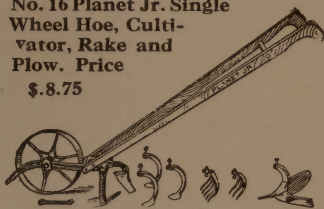


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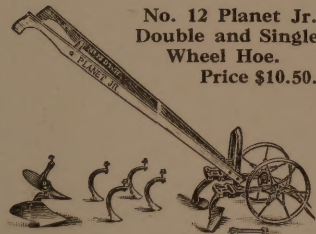
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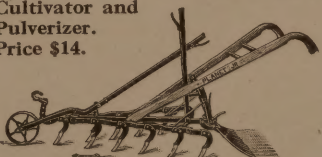
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